

SONY®

PORTABLE VIDEOCASSETTE RECORDER

BW-35P



BETACAM SP™

MAINTENANCE MANUAL
Volume 2 4th Edition (Revised 3)
Serial No. 11744 and Higher

EBU N-10 LEVEL

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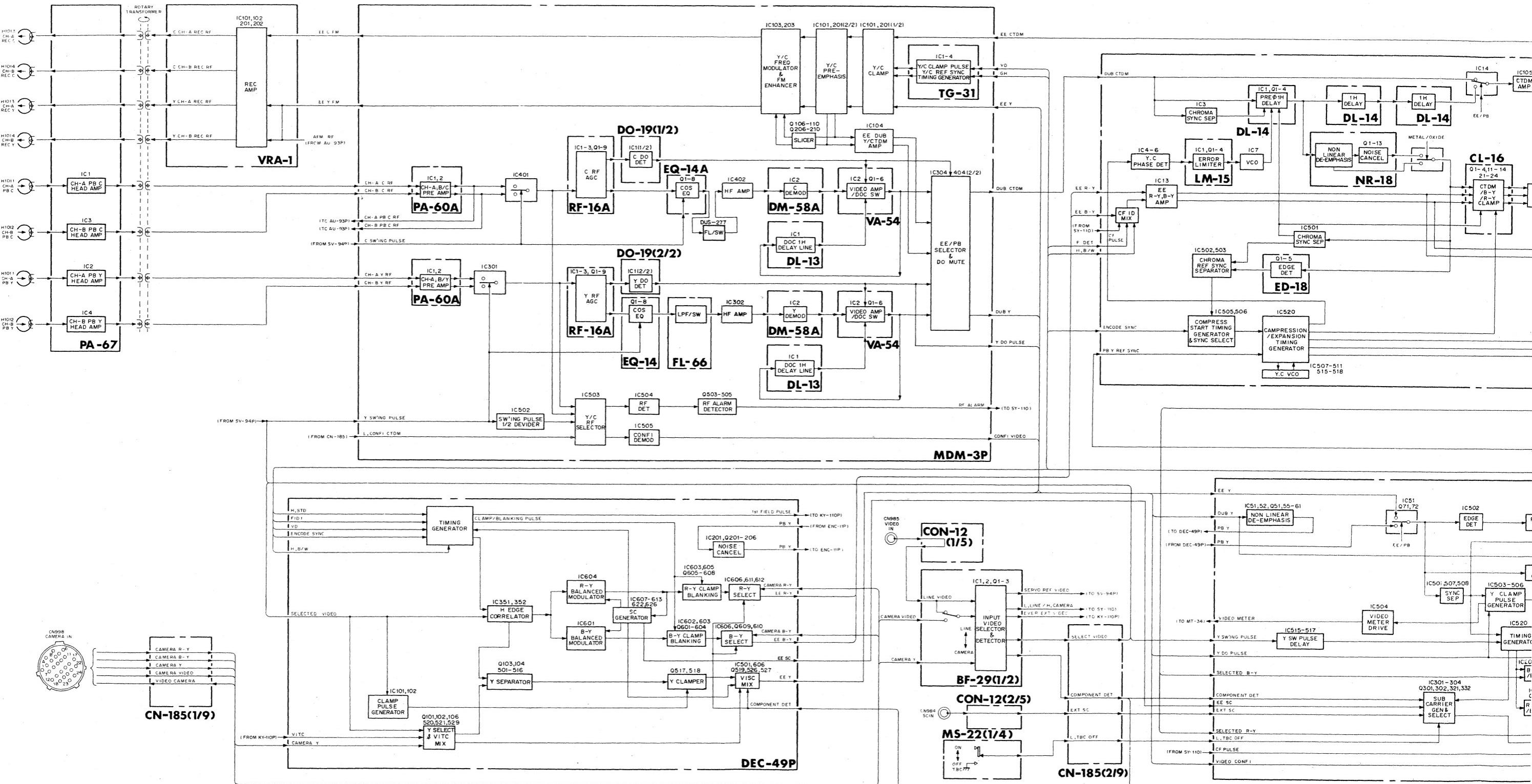
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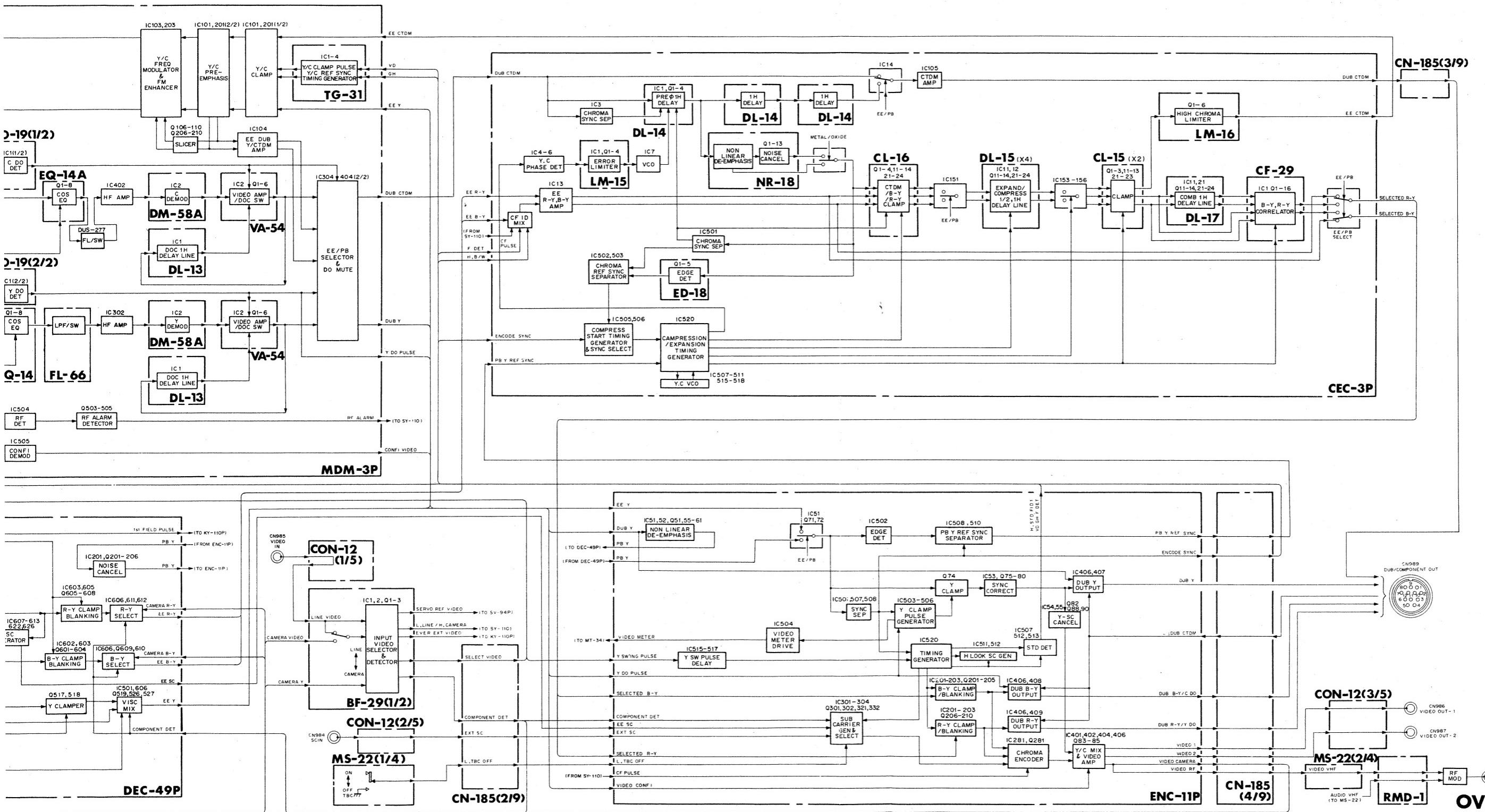
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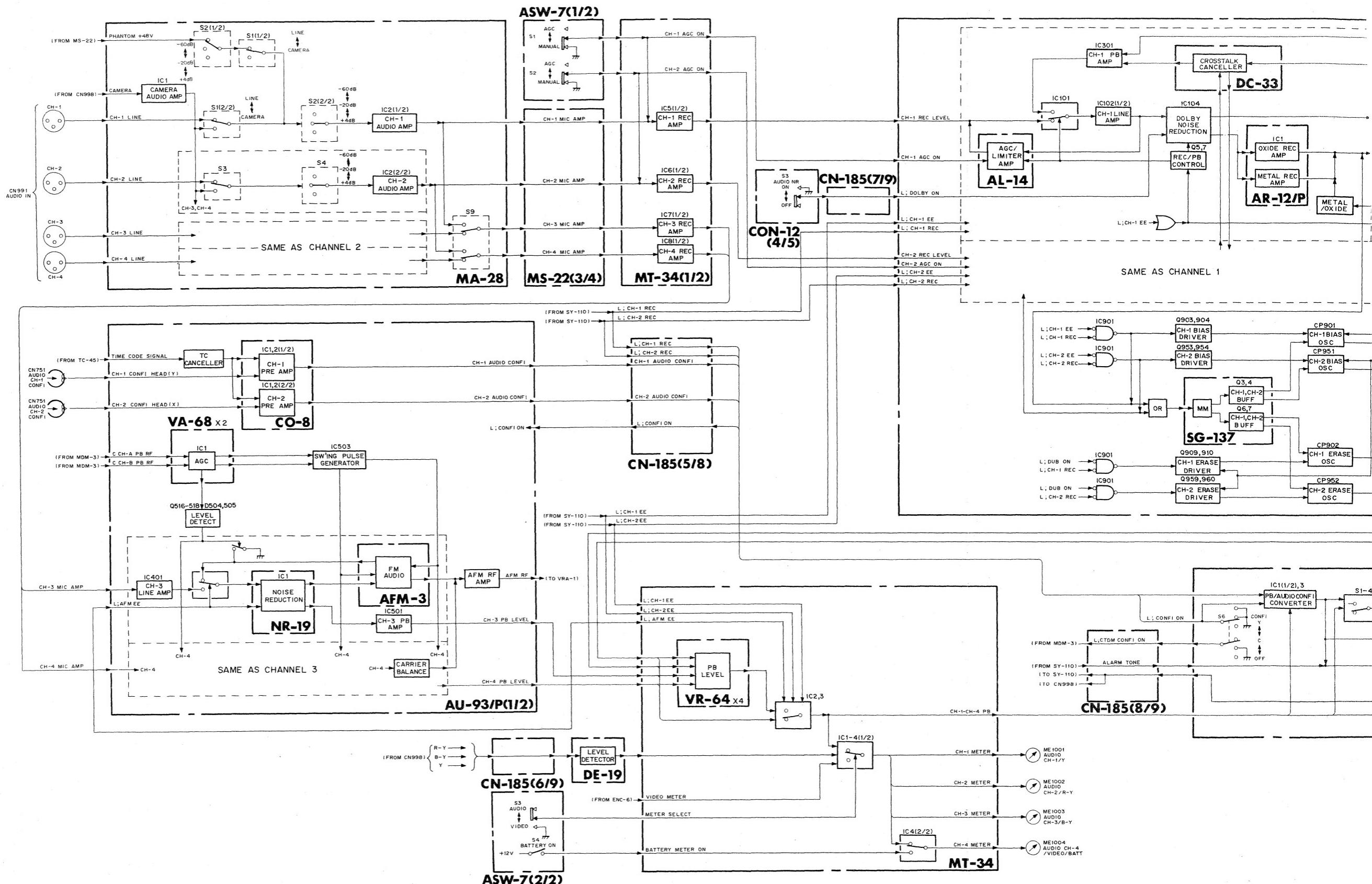
SECTION 12

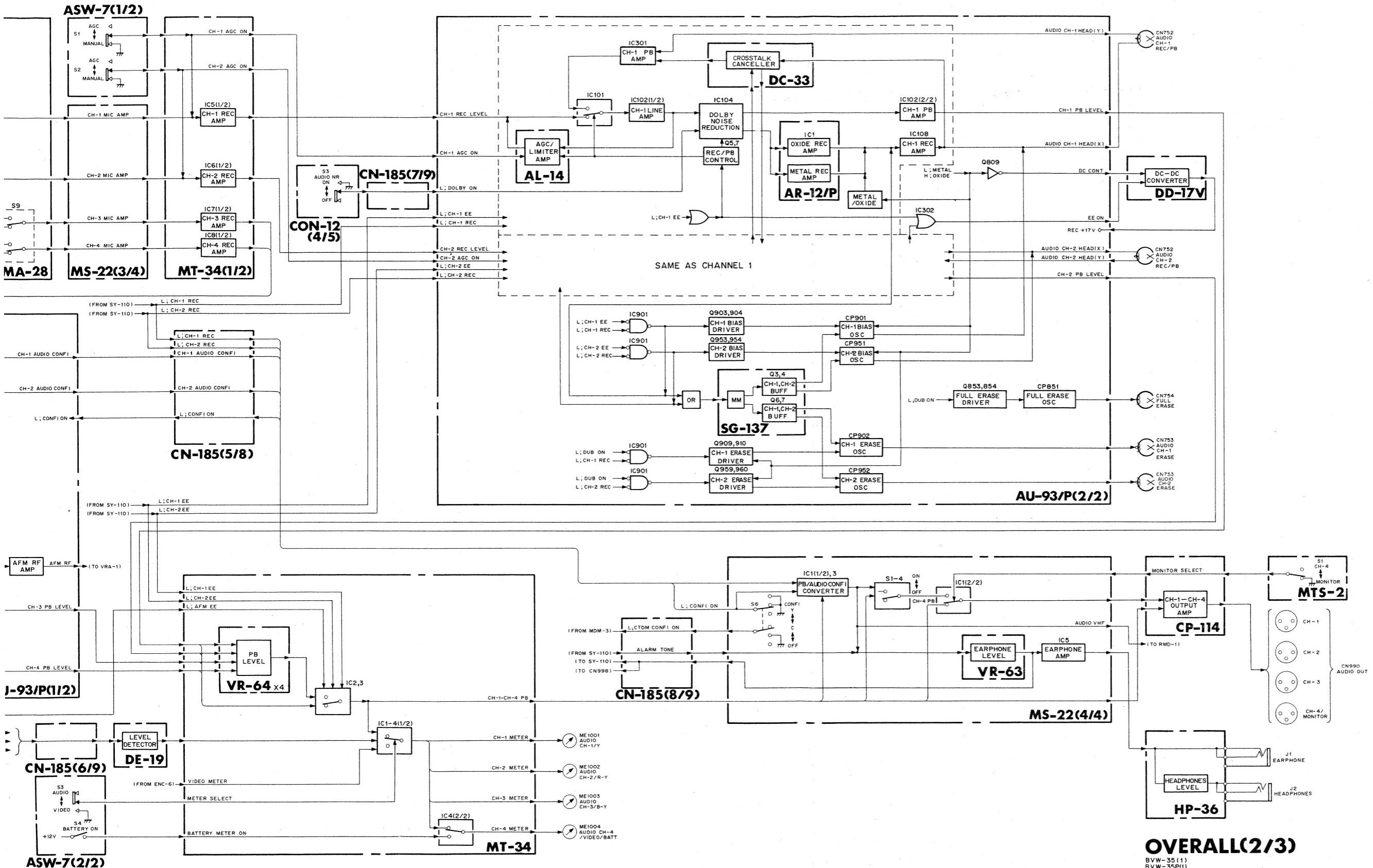
BLOCK DIAGRAMS

OVERALL (1/3)

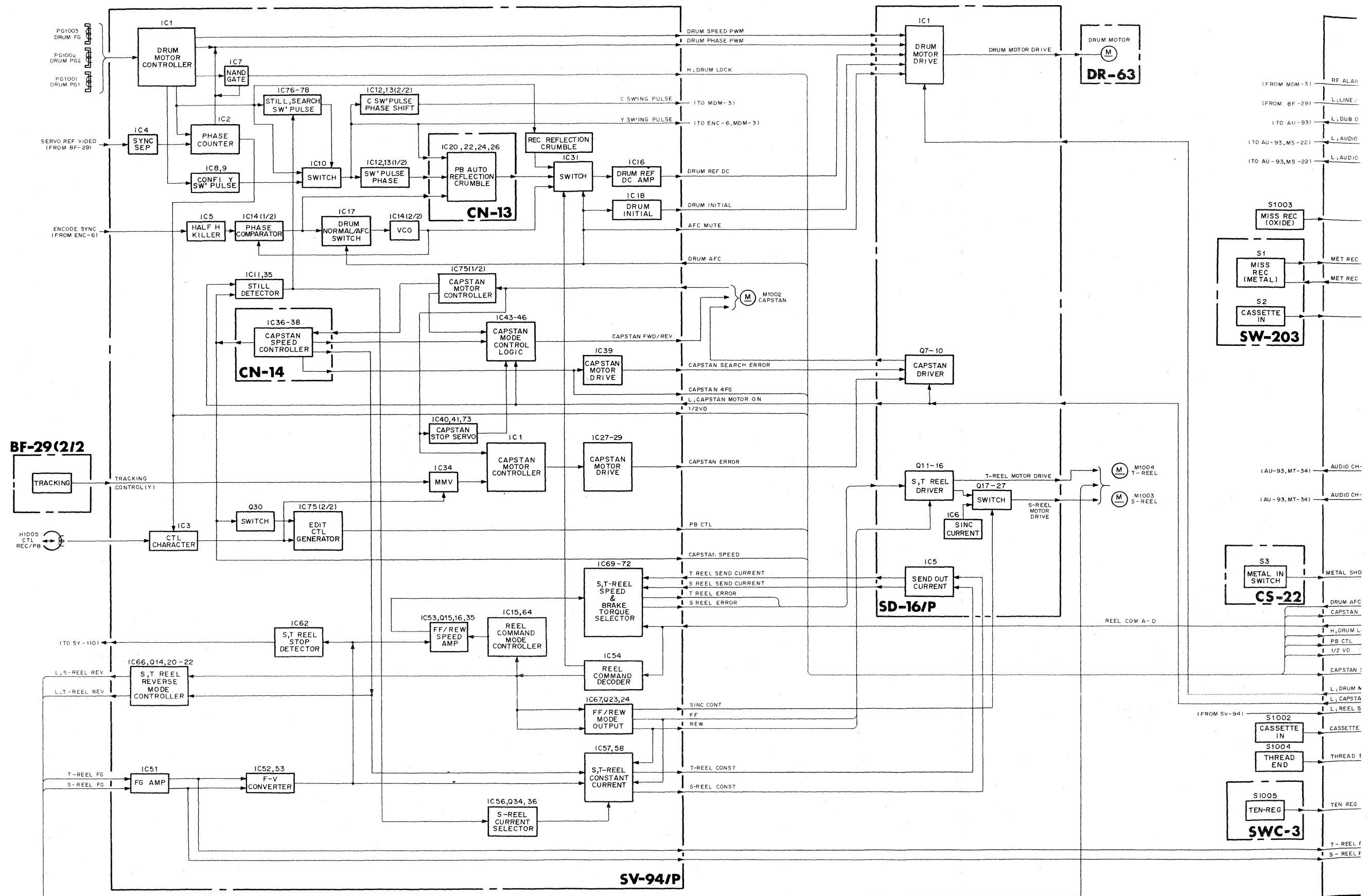


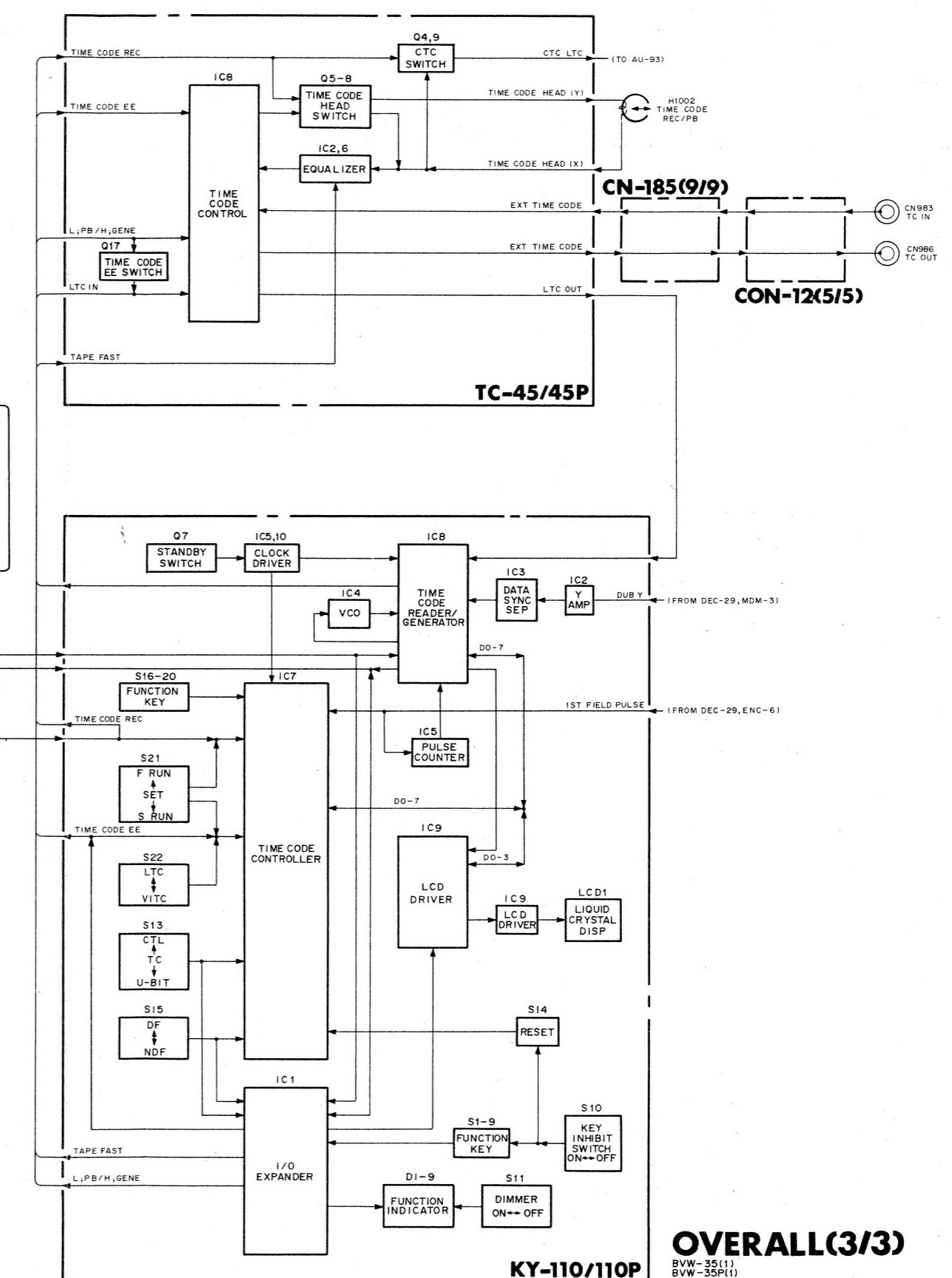
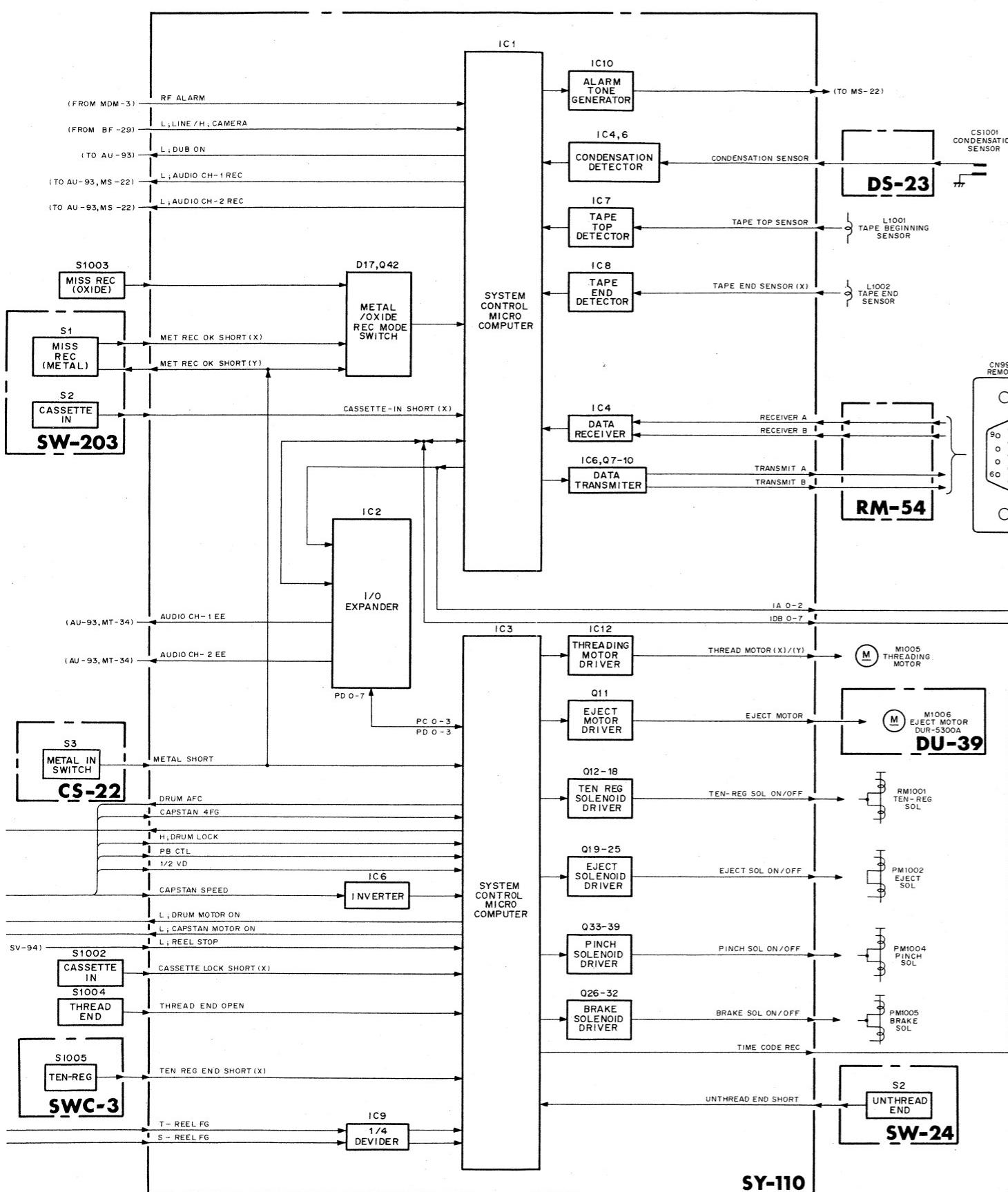






OVERALL (3/3)

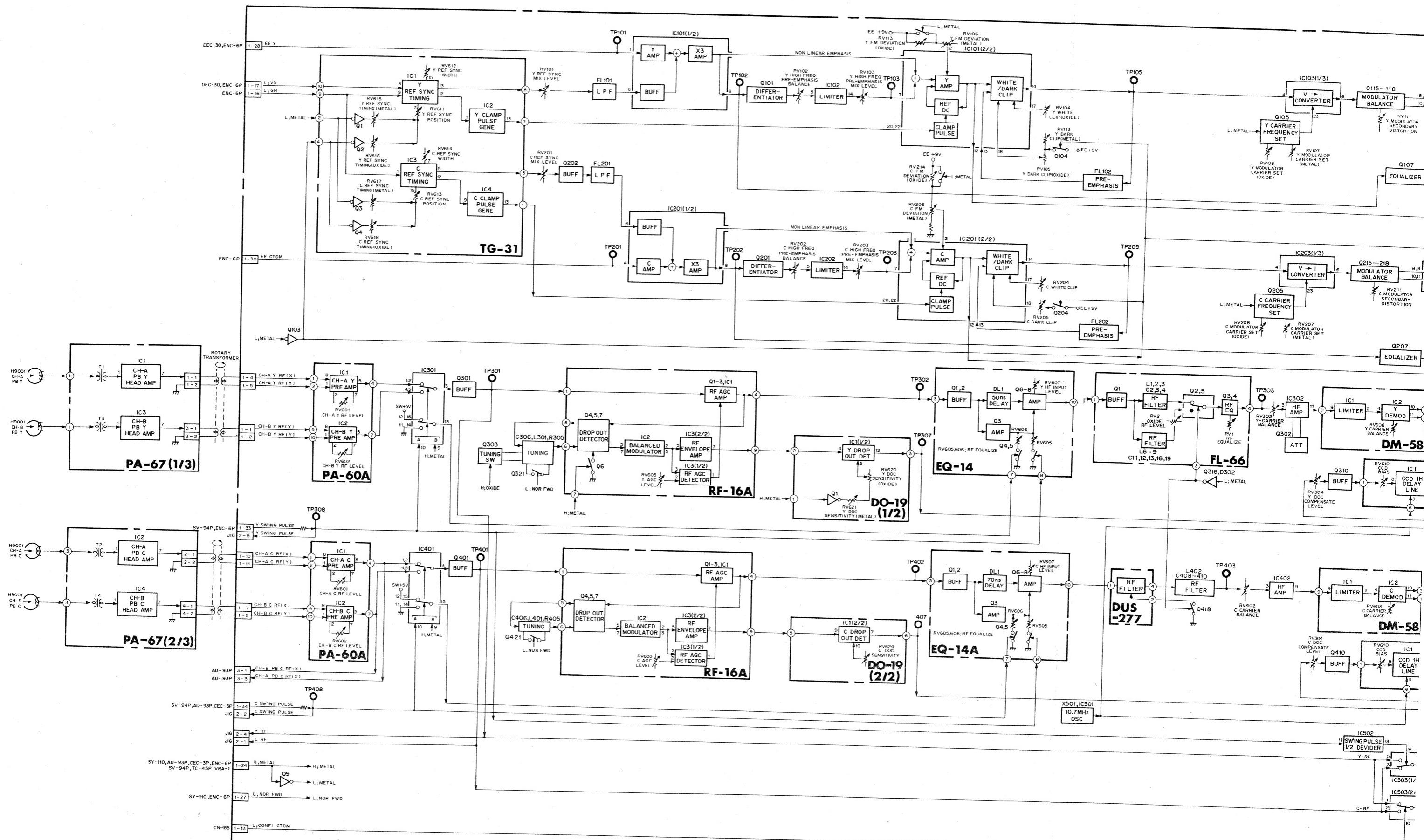


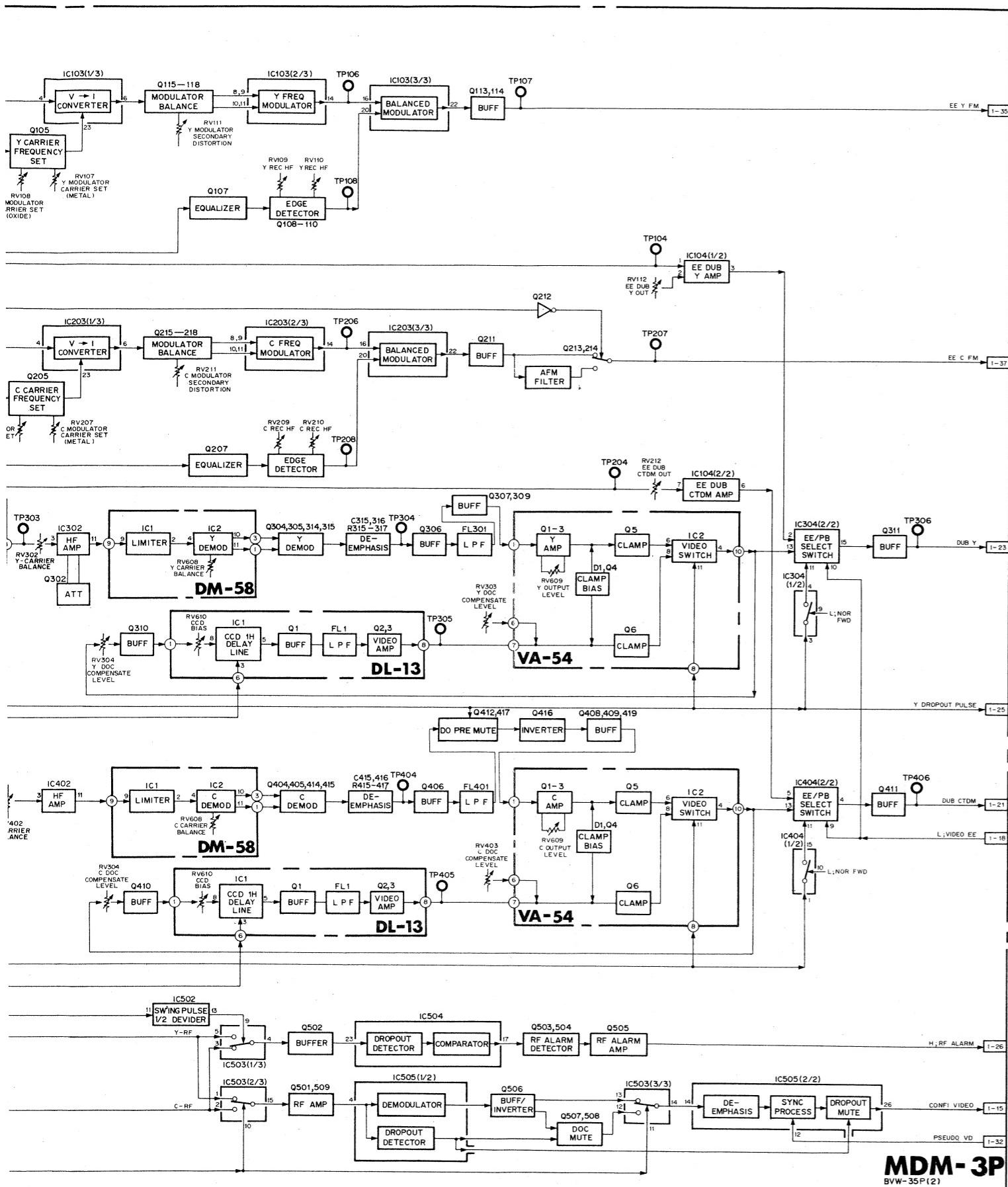


MODULATOR/DEMODULATOR, VIDEO REC AMP

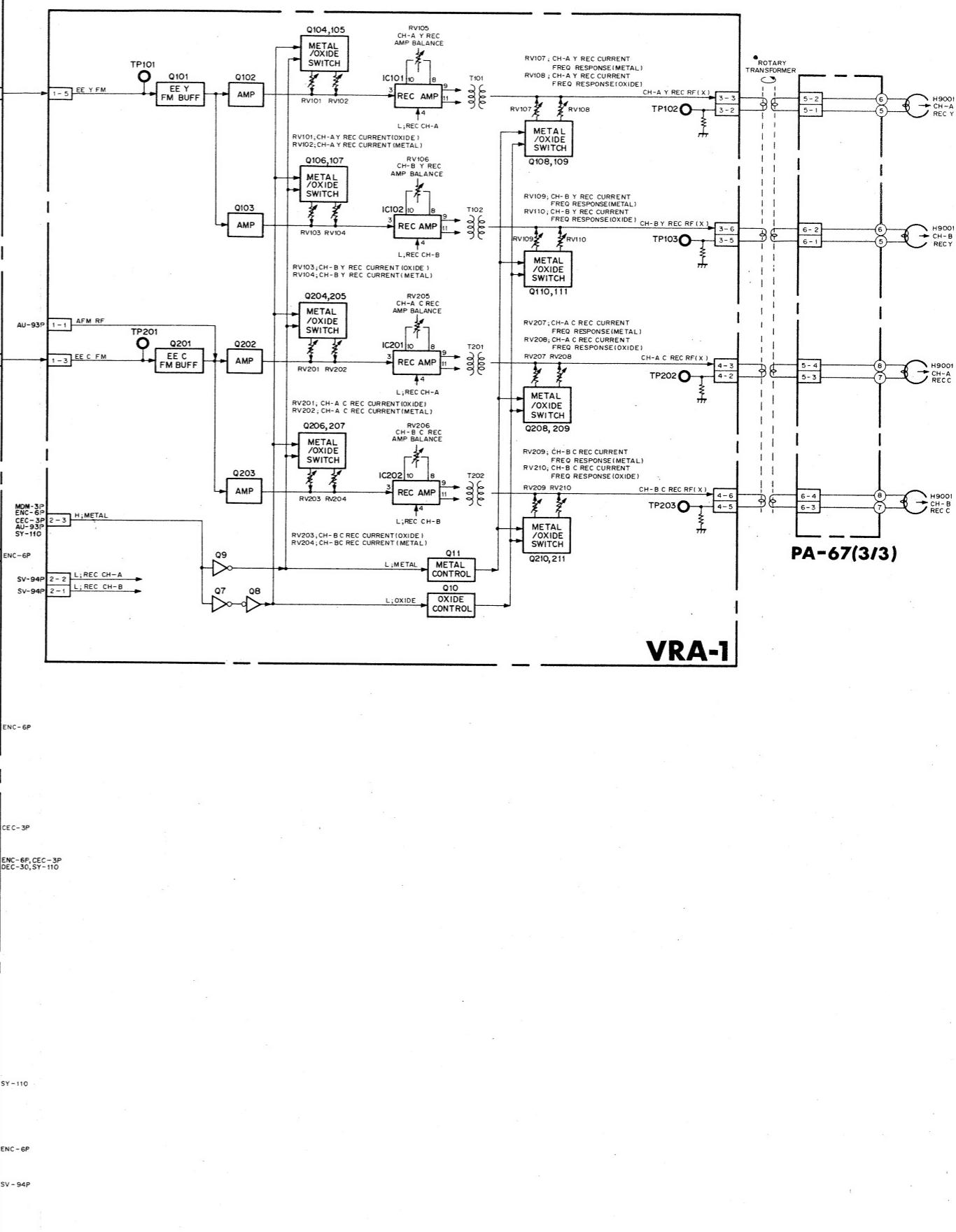
MODULATOR/DEMODULATOR, VIDEO REC AMP

LUMINANCE/CHROMINANCE SIGNAL DEMODULATOR, VIDEO REC AMPLIFIER





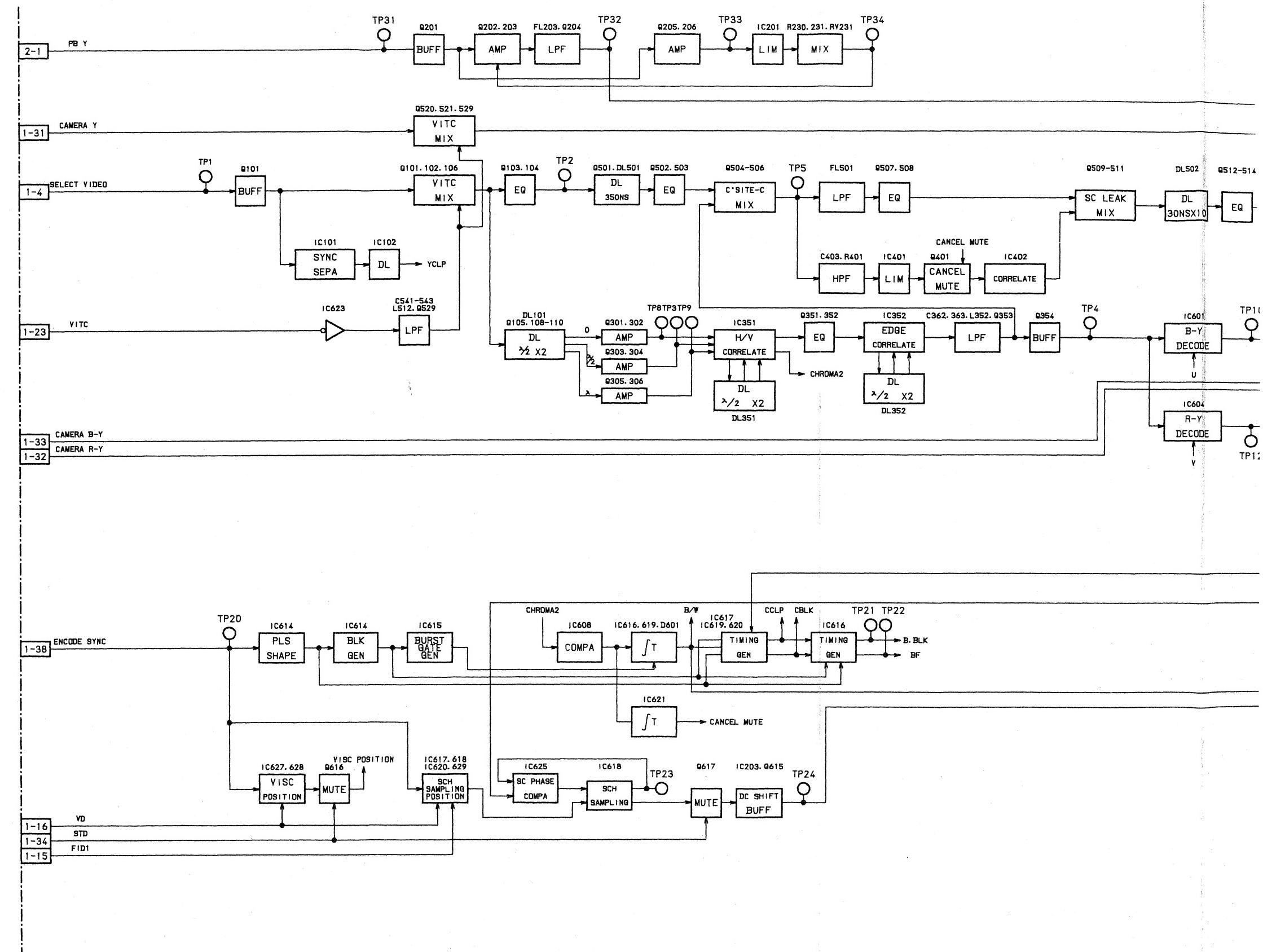
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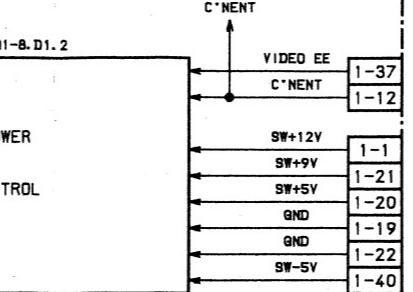
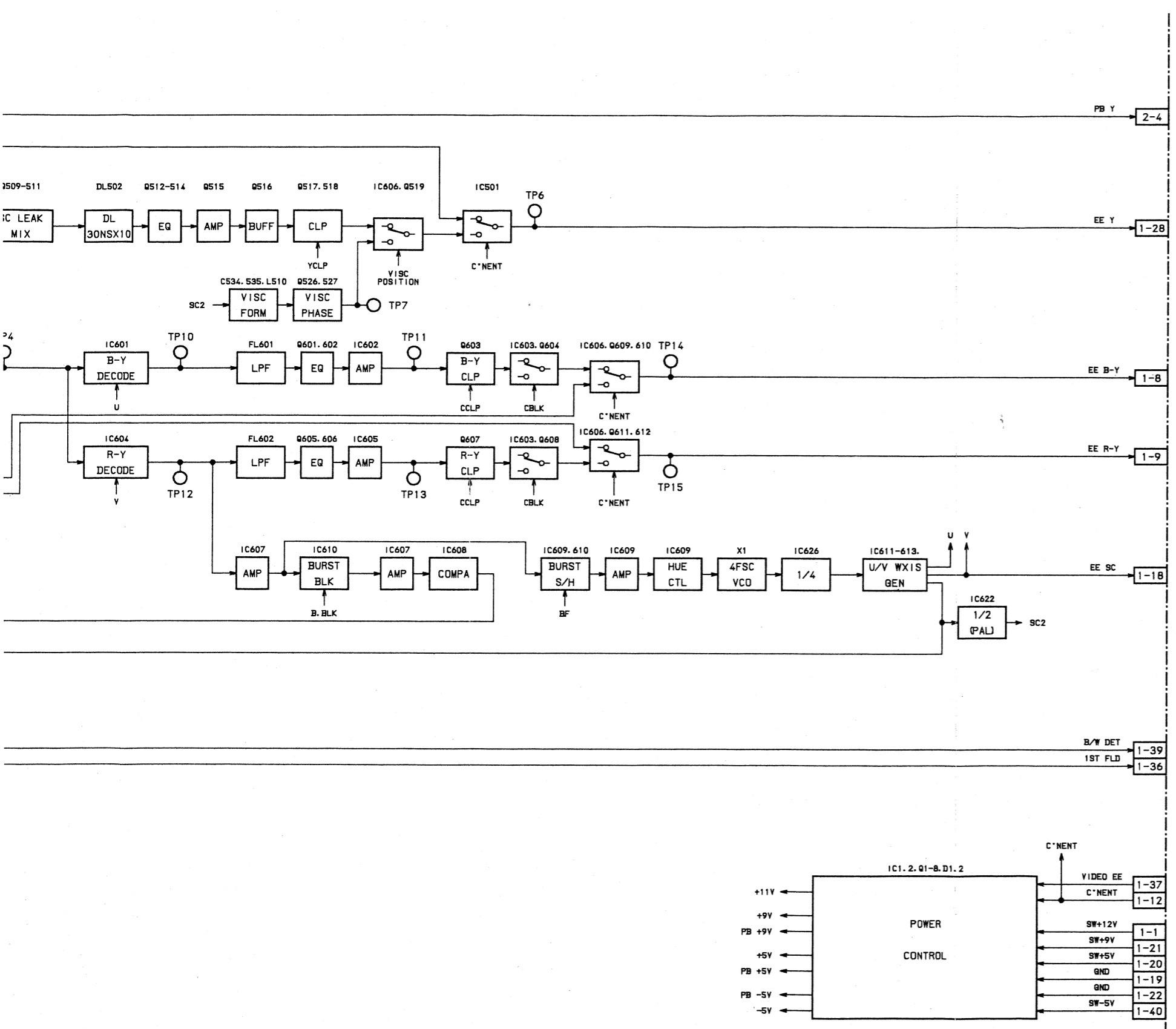


12-1

Y/C SEPARATOR **Y/C SEPARATOR**

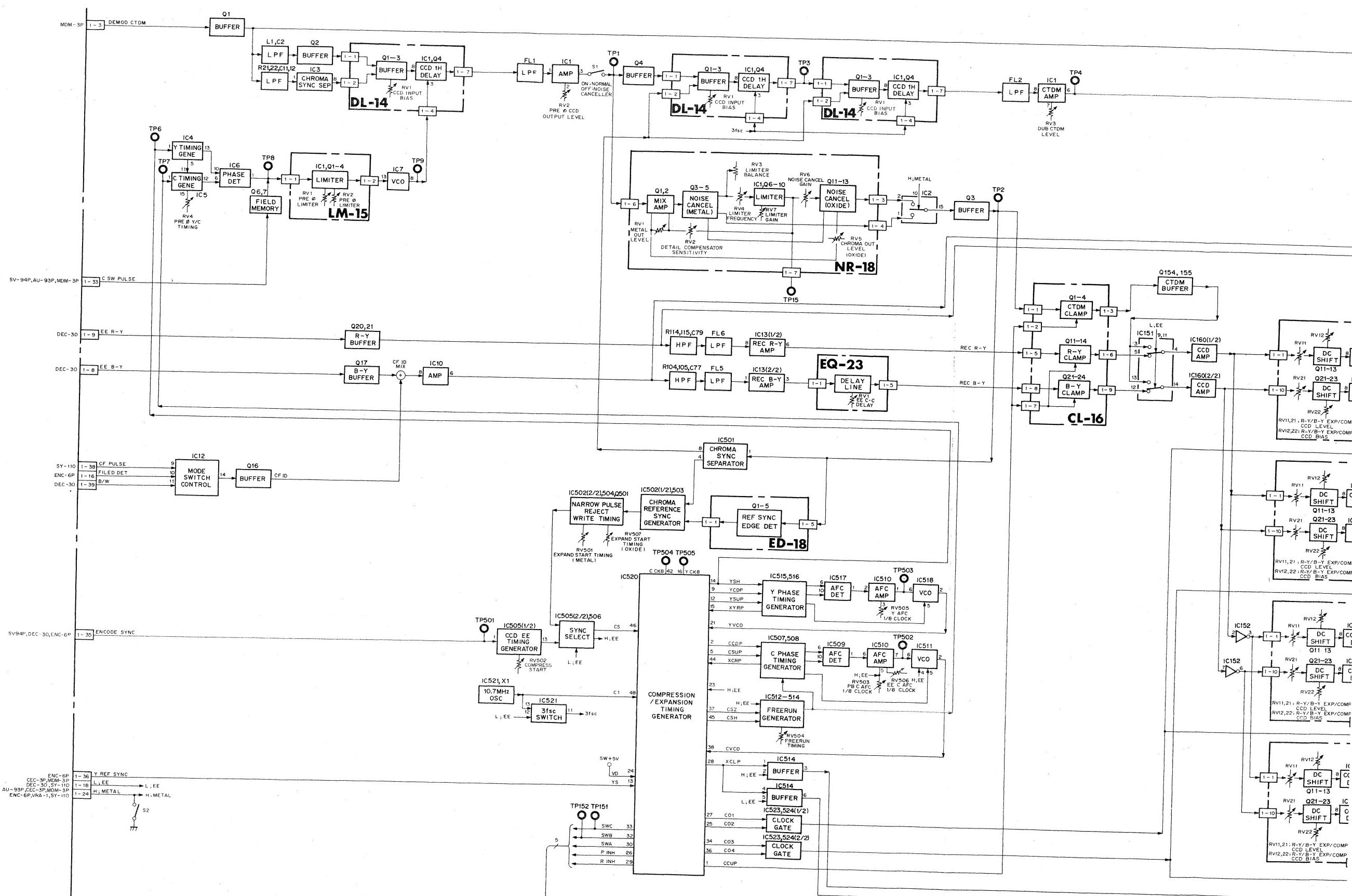
LUMINANCE/CHROMINANCE SIGNAL SEPARATOR

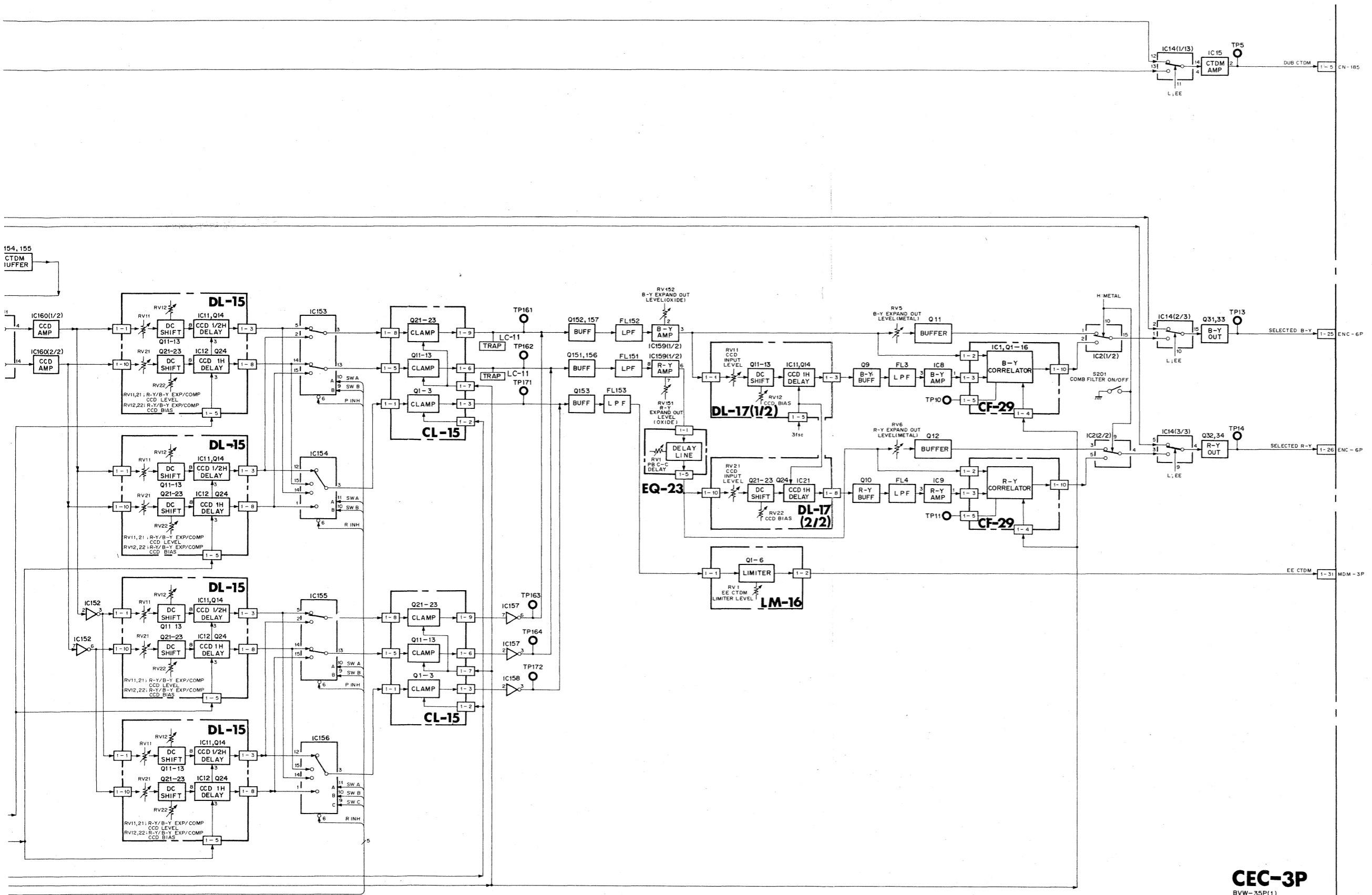




DEC-49P/PM
BVW-35P
BVW-35PM

CTDM/EXPANDER

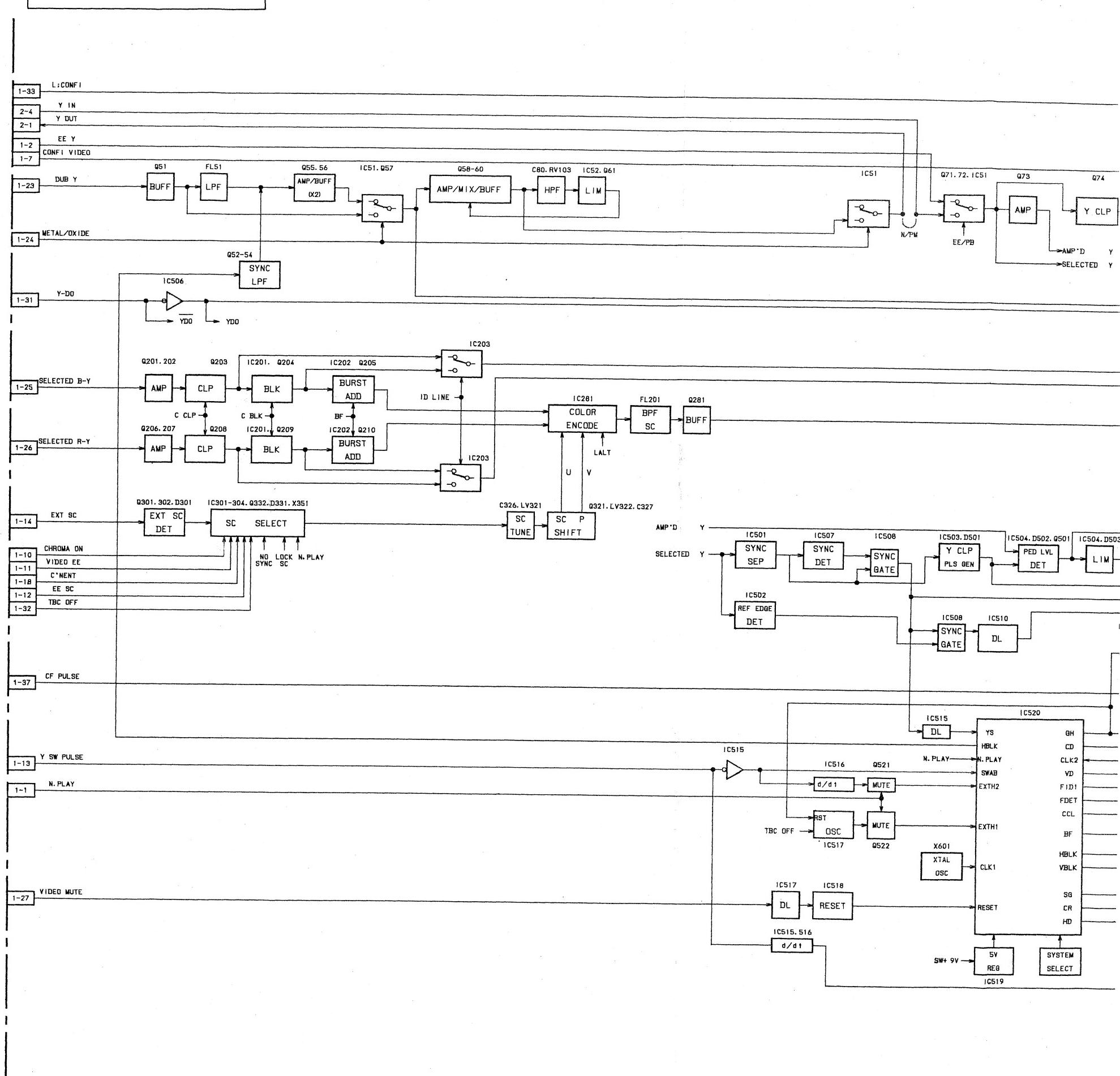




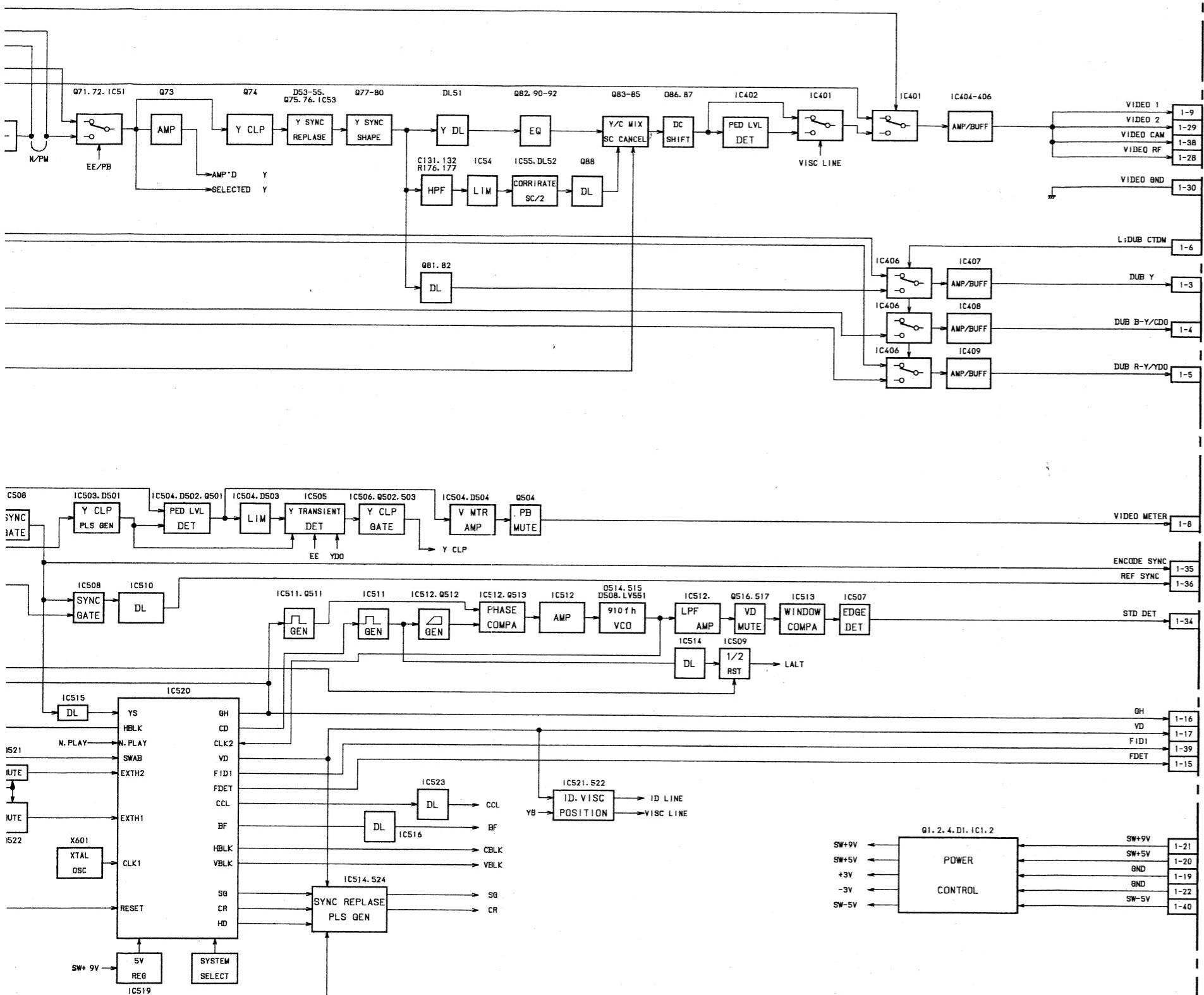
CEC-3P
BVW-35P(1)

ENCODER ENCODER

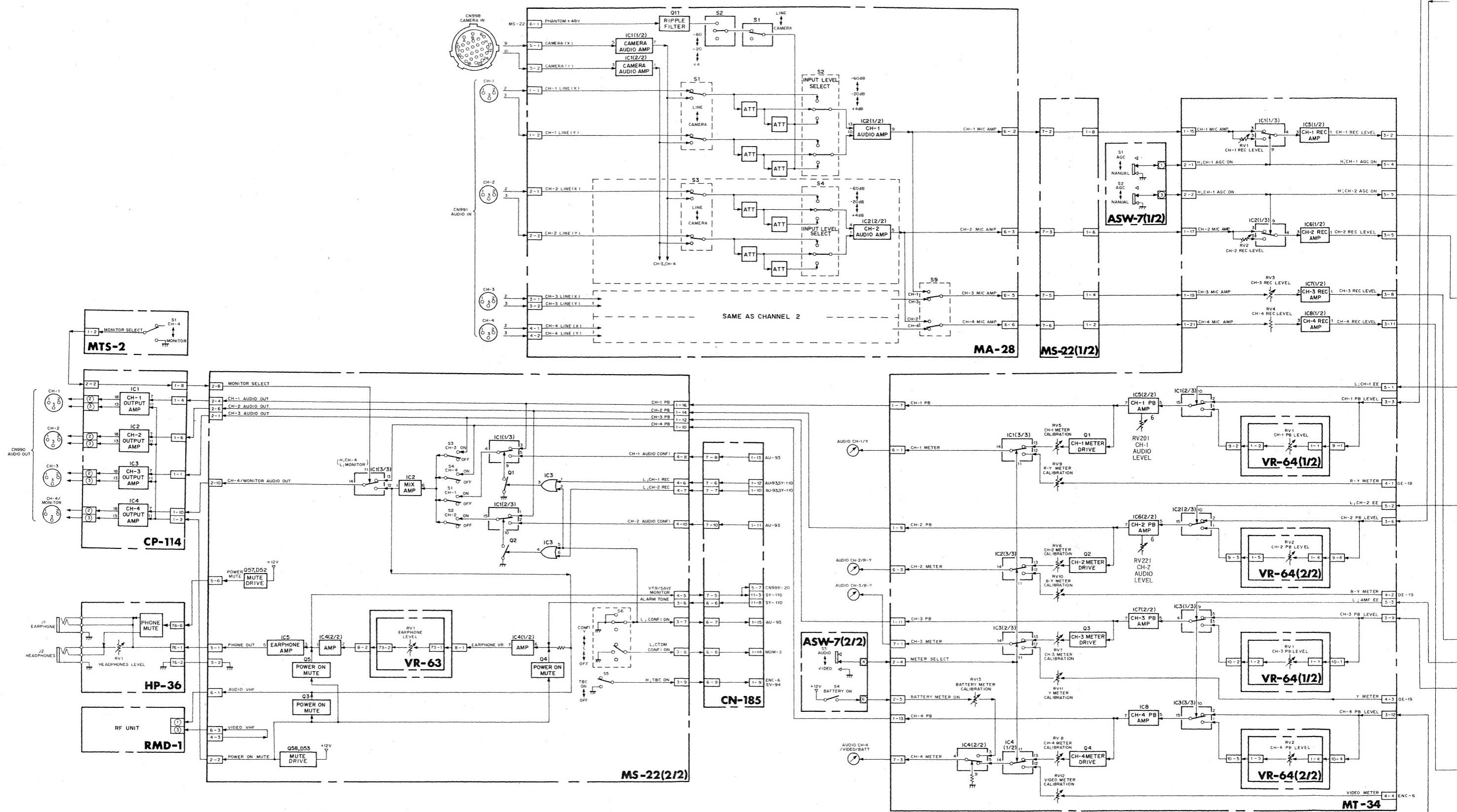
Y PROCESSOR

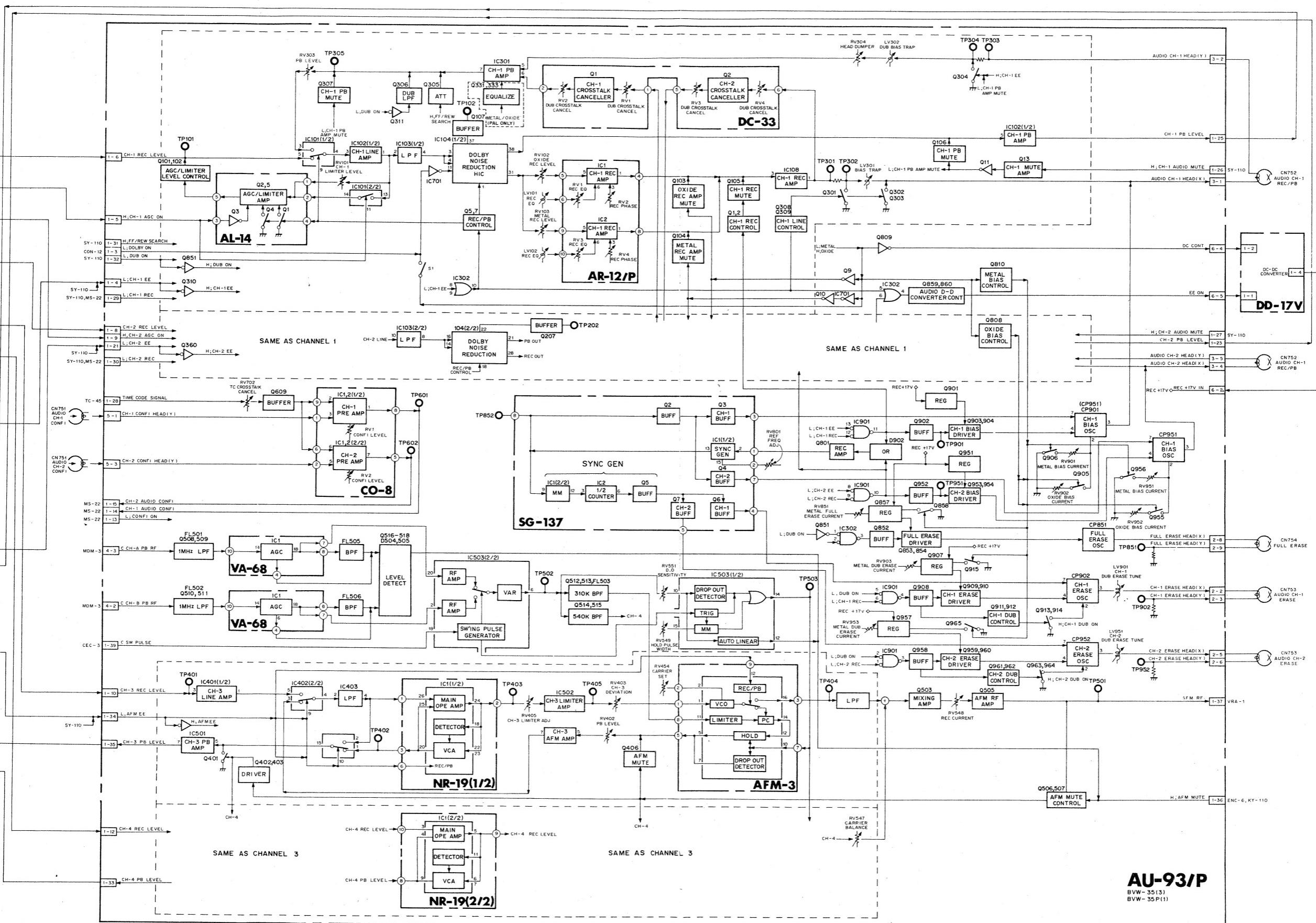


ENCODER **ENCODER**



ENC-11/P/PM
BVW-35
BVW-35P
BVW-35PM

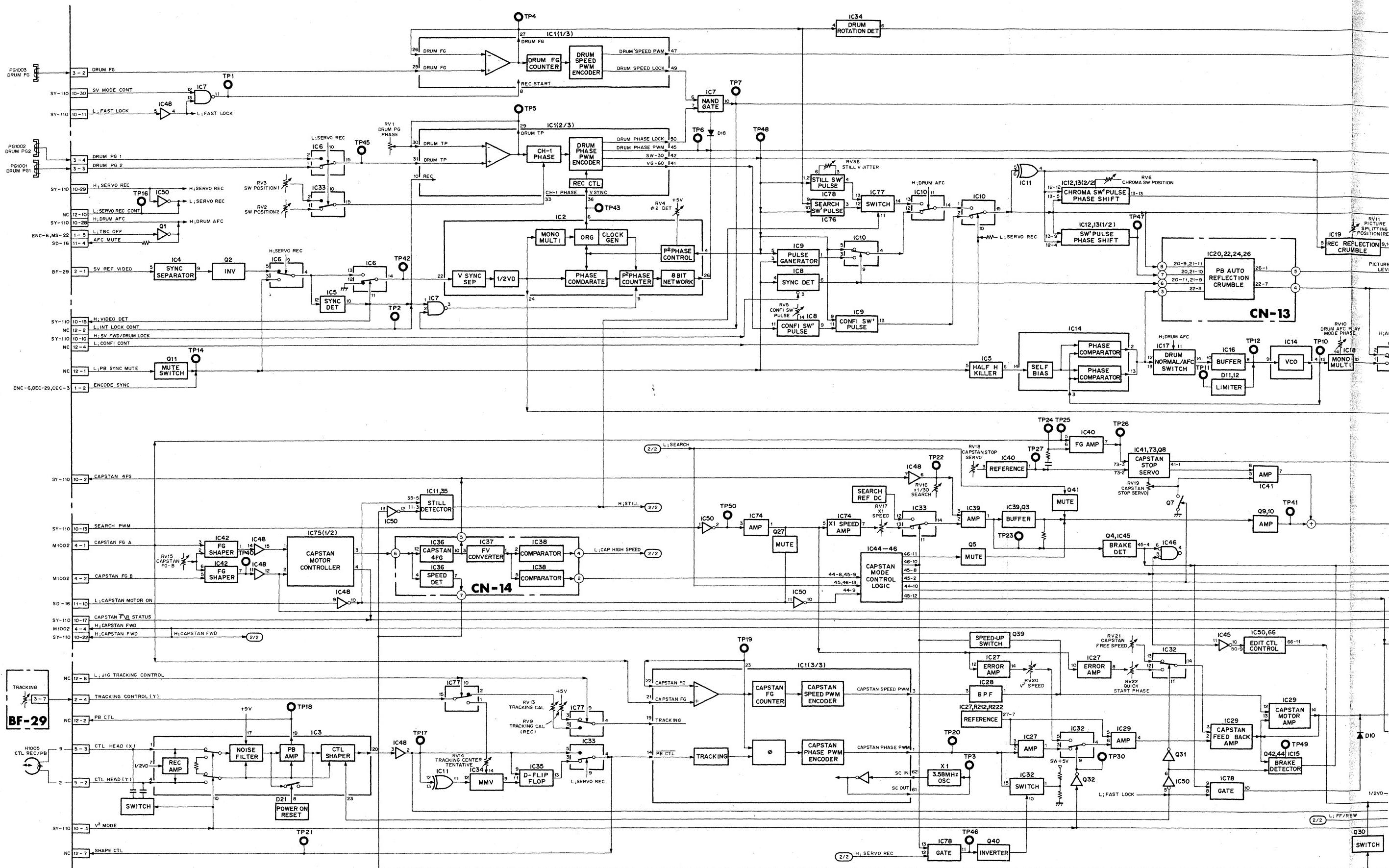


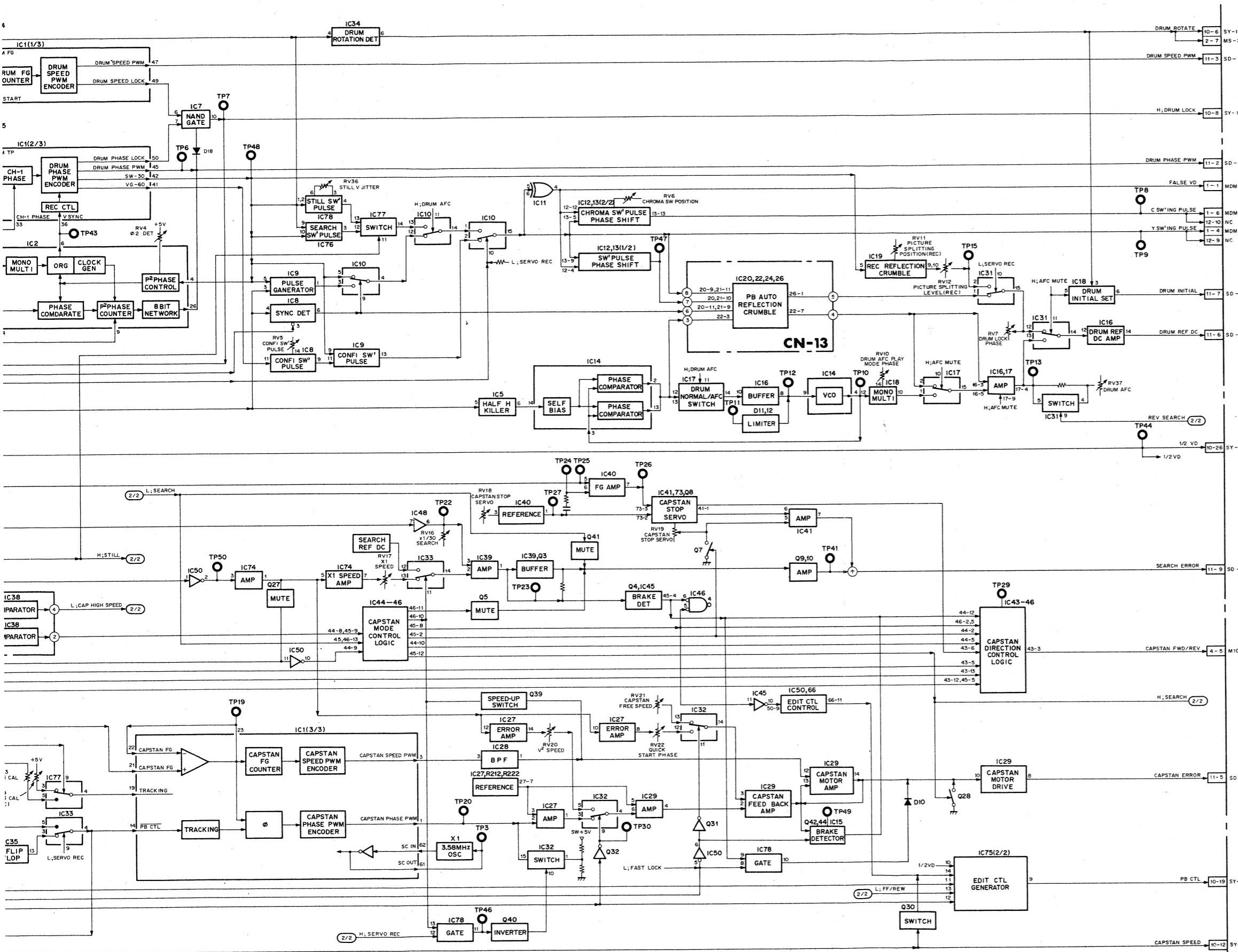


DRUM/CAPSTAN SERVO

DRUM/CAPSTAN SERVO

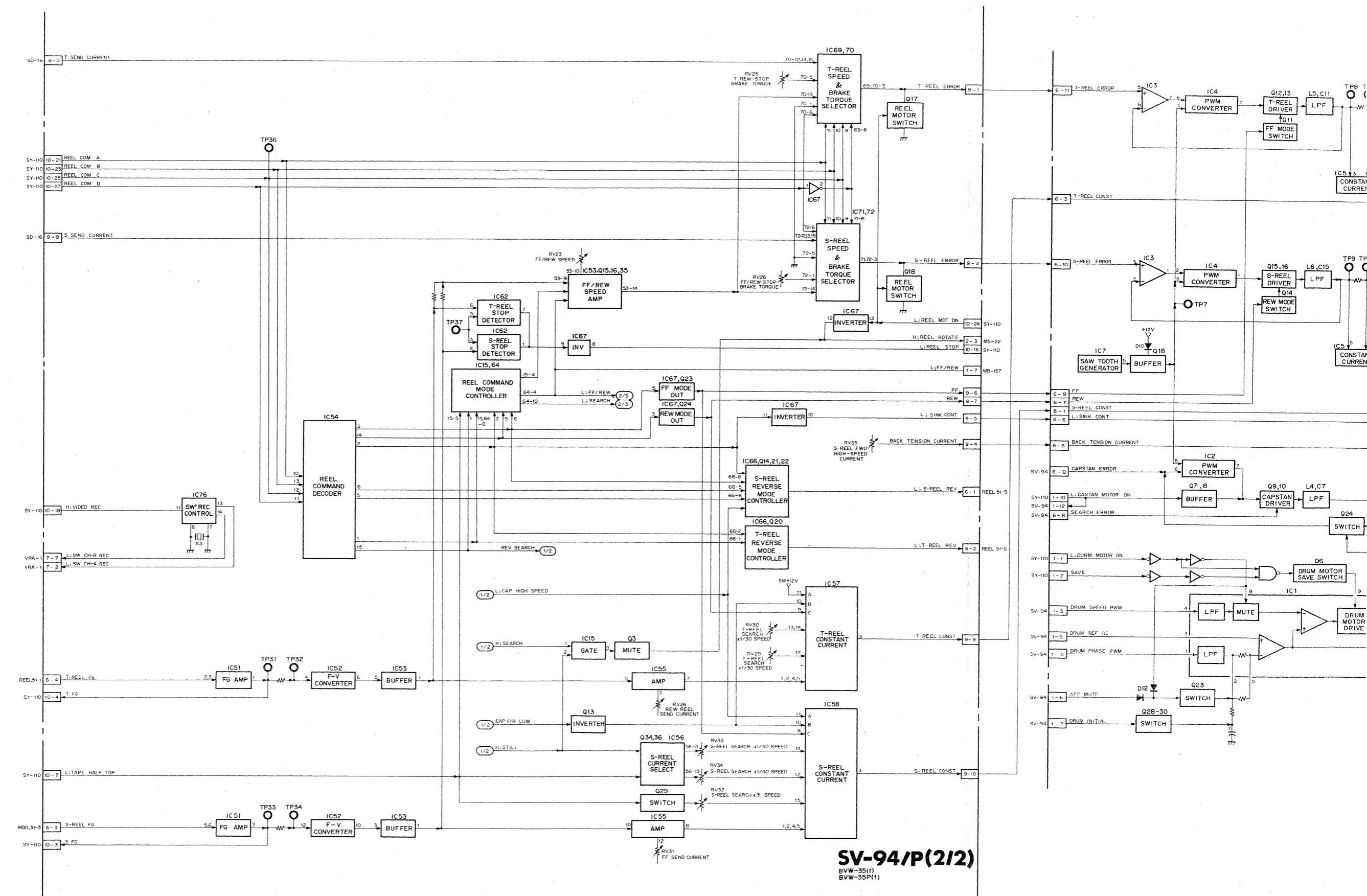
DRUM/CAPSTAN SERVO

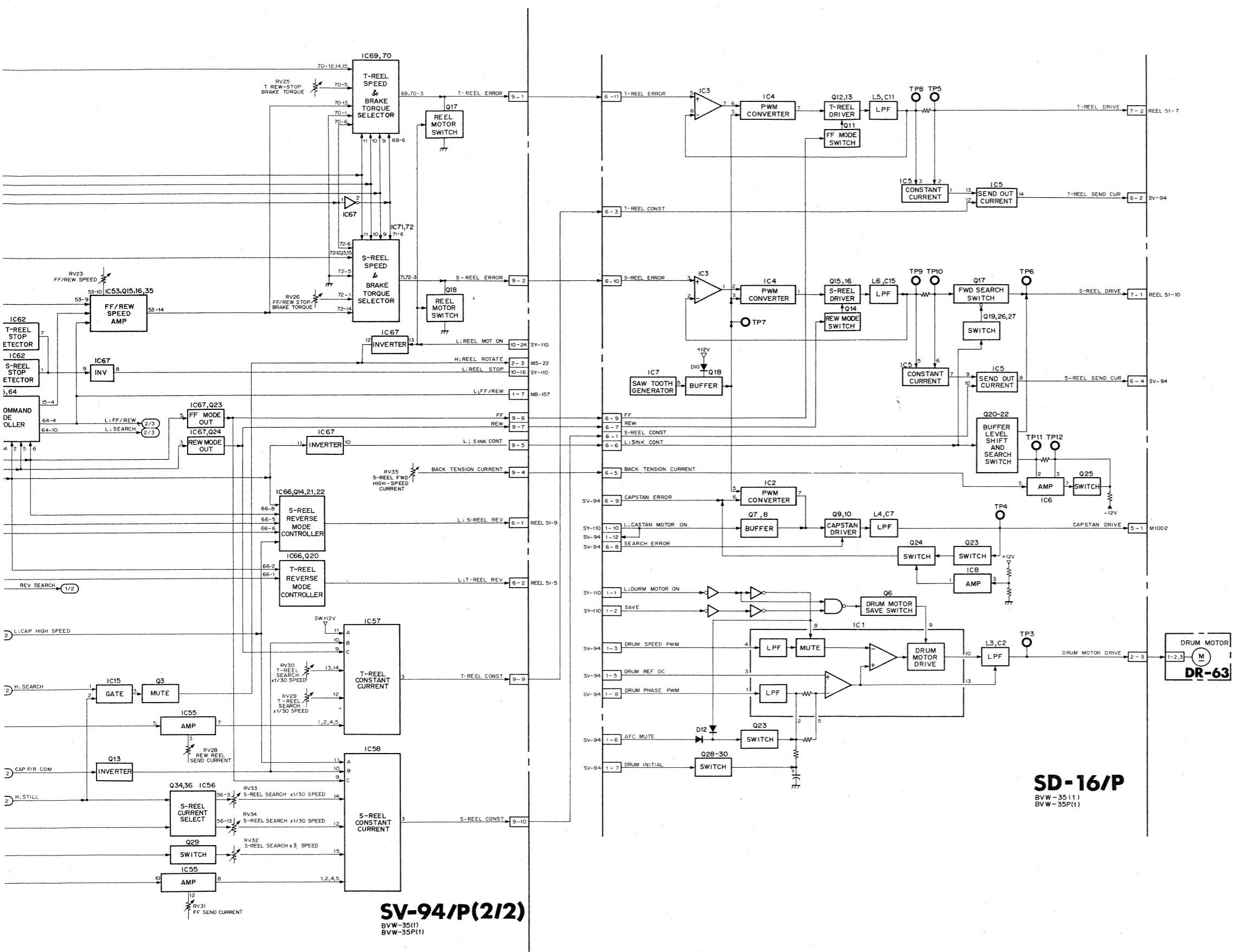


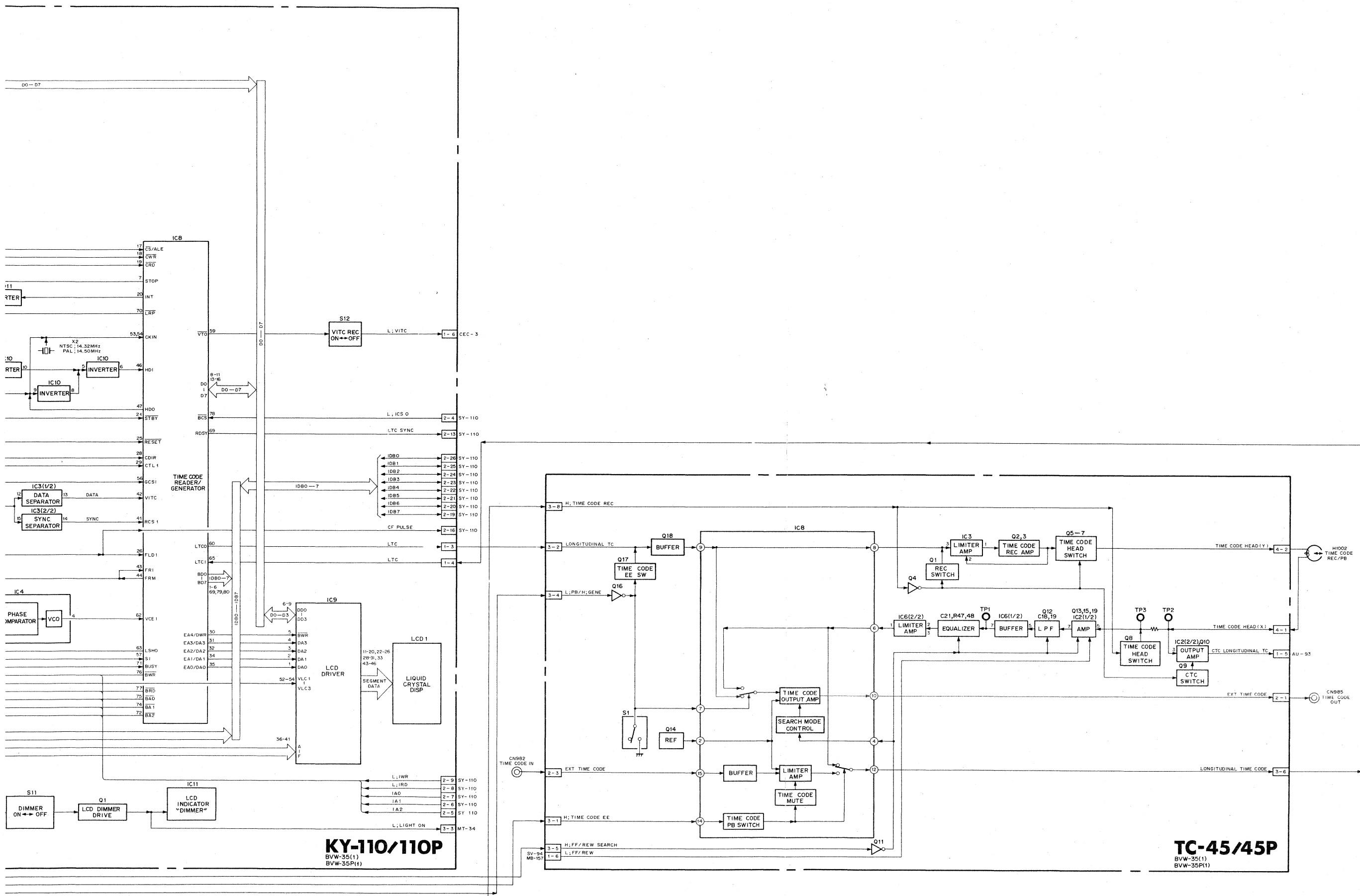


SV-94/P(1/2)

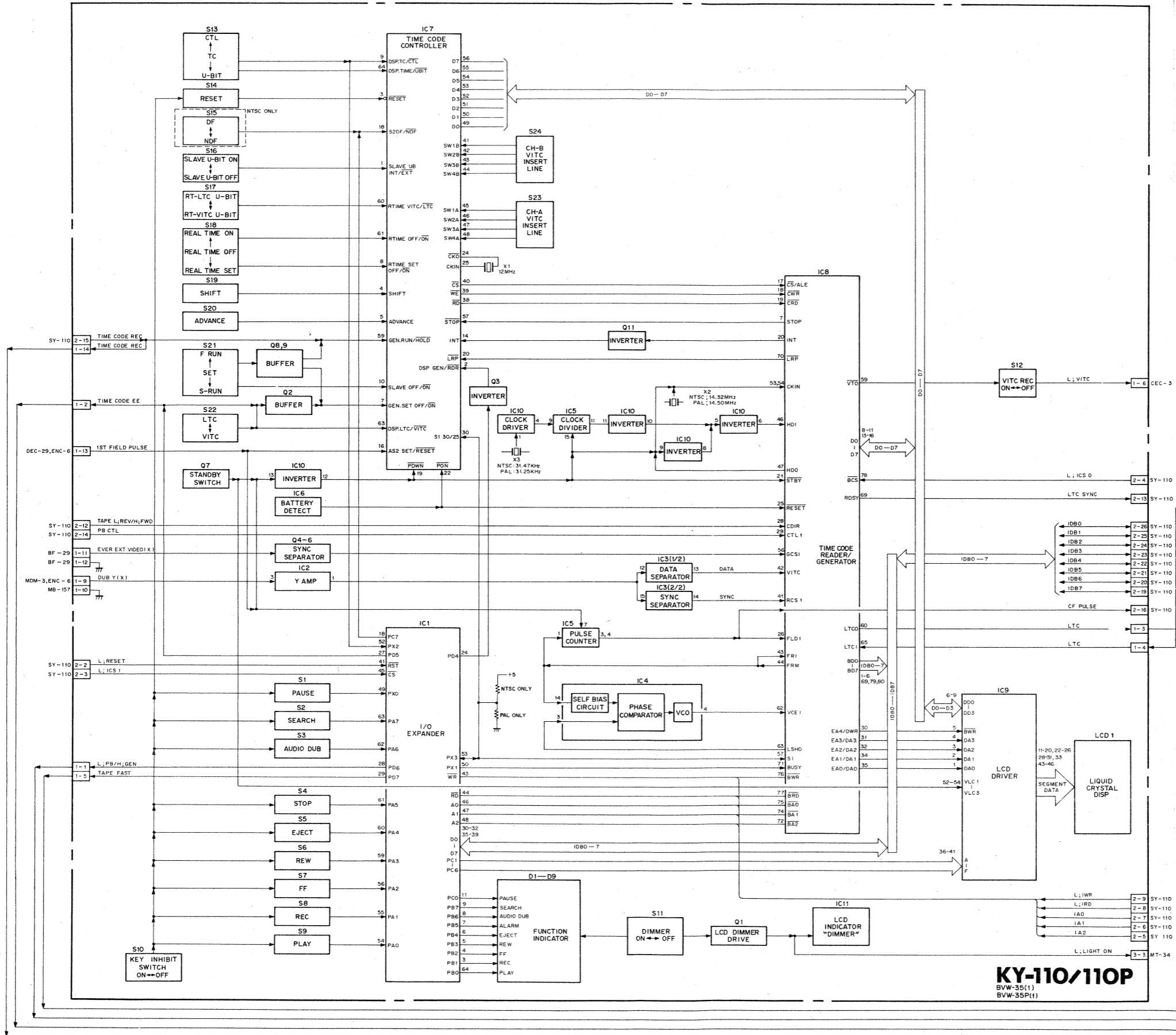
REEL SERVO

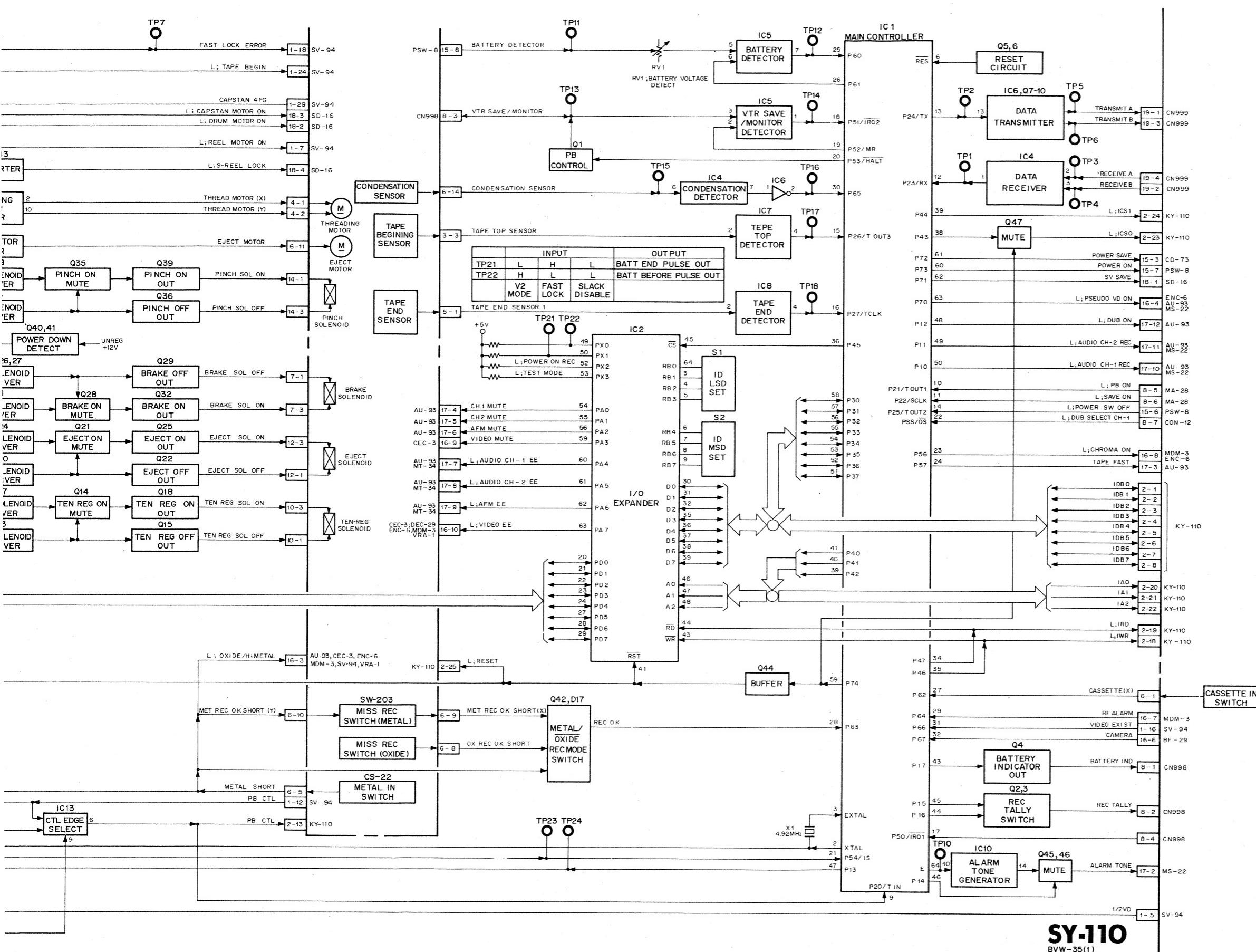
SV-94/P(2/2)
BVW-35(1)
BVW-35P(1)



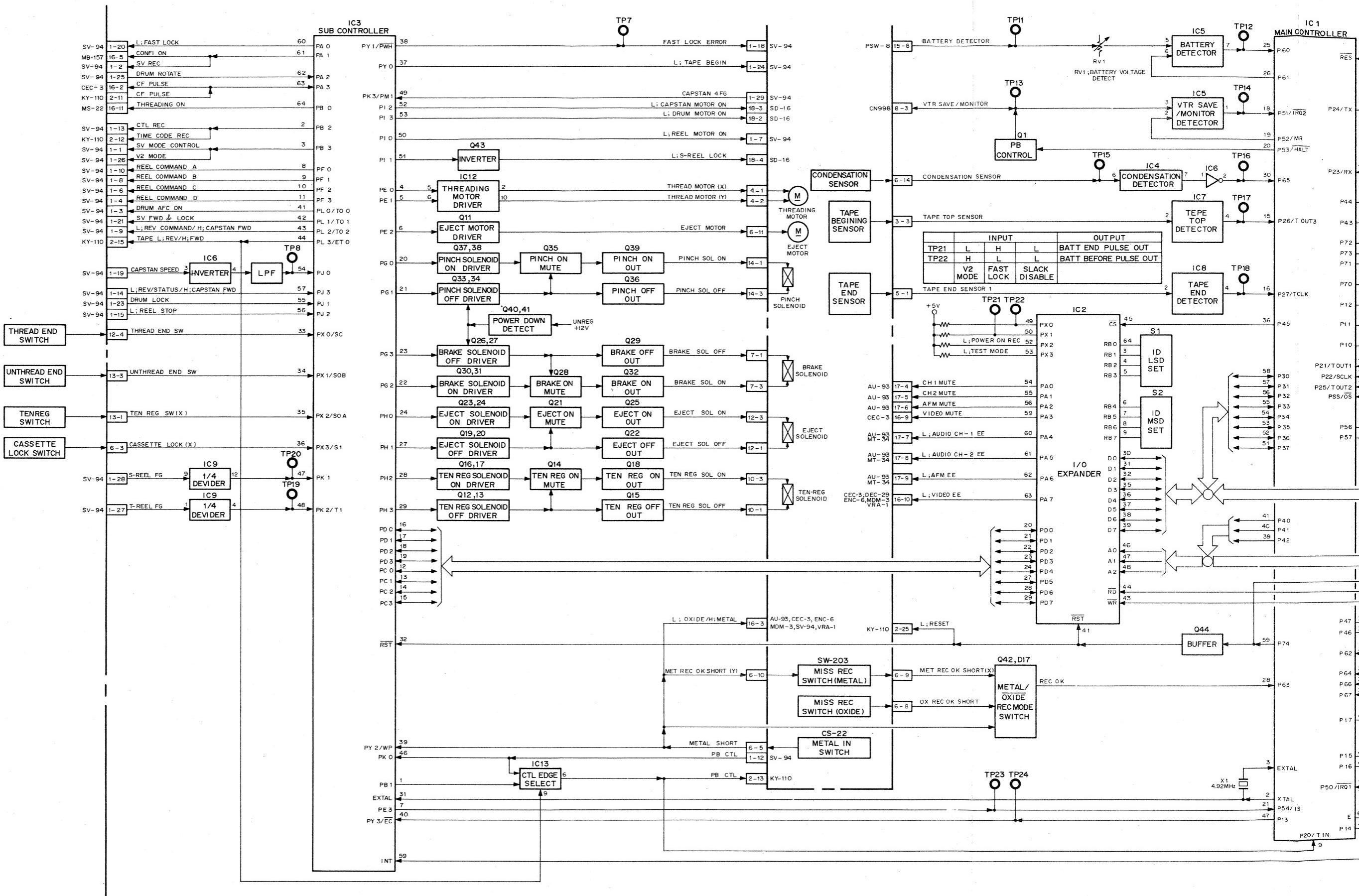


FUNCTION KEY, TIME CODE REC/PB AMPLIFIER





SYSTEM CONTROL



SECTION 13

SEMICONDUCTOR ELECTRODES

ICs, transistors and diodes whose functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

IC	PAGE	IC	PAGE	IC	PAGE
AN3920K	13-3	SN74LS123NS	13-10	UPC393G2	13-9
AN3922NK	13-3	SN74LS221NS	13-11	UPC4558G2	13-10
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The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

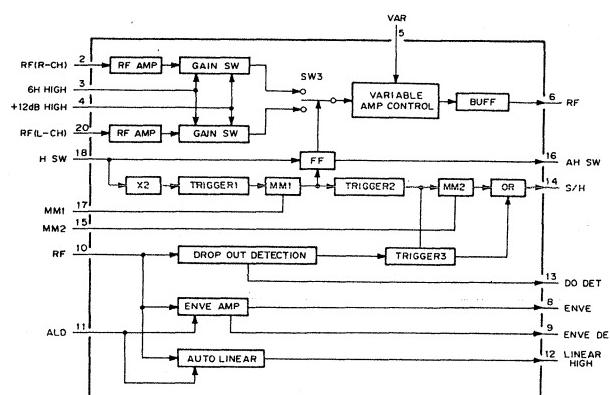
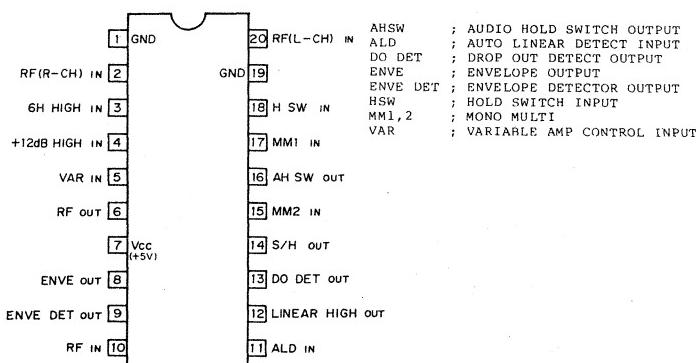
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AN3920K (MATSUSHITA)

VTR FM AUDIO RF AMP

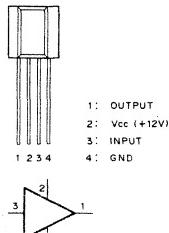
— TOP VIEW —



AN608P (MATSUSHITA)

WIDE BAND AMPLIFIER

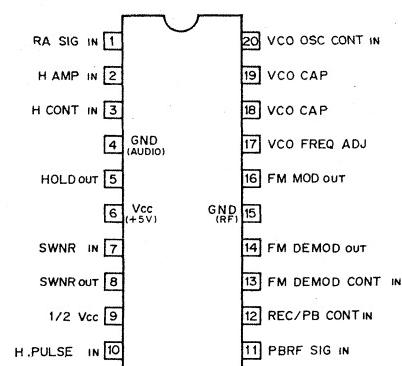
— PRINTED SIDE VIEW —



AN3922NK (MATSUSHITA)

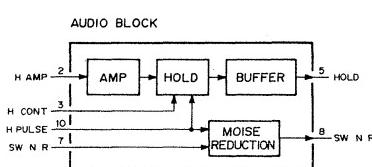
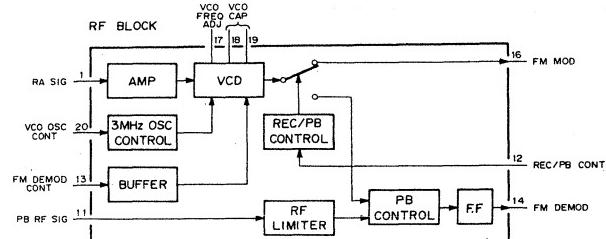
VTR, FM AUDIO MODULATOR AND DEMODULATOR

— TOP VIEW —

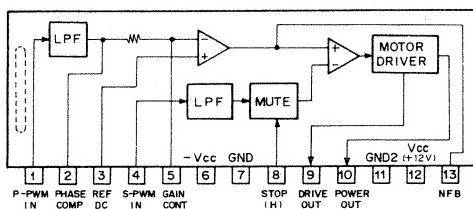


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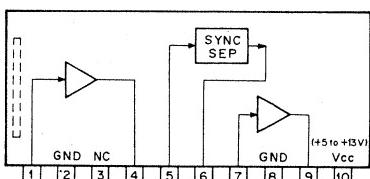
- FM DEMOD : FM DEMODULATION OUTPUT
- FM DEMOD CONT : FM DEMODULATION CONTROL INPUT
- FM MOD : FM MODULATION OUTPUT
- H AMP : HOLD AMP INPUT
- H CONT : HOLD CONTROL INPUT
- H PULSE : HOLD PULSE INPUT
- PBRF SIG : PB RF SIGNAL INPUT
- RA SIG : REC AUDIO SIGNAL INPUT
- REC/PB CONT : REC/PB CONTROL INPUT
- SWNR : SWITCH NOISE REDUCTION INPUT/OUTPUT
- VCO CAP : VCO CAPACITOR
- VCO FREQ ADJ : VCO FREQUENCY ADJUSTMENT
- VCO OSC CONT : VCO OSCILLATION CONTROL INPUT



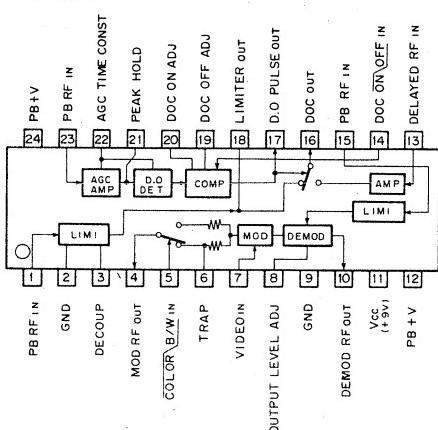
BX1154 (SONY)
DRUM PWM
— REAR VIEW —



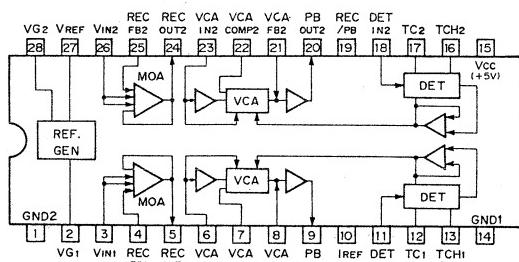
BX3915A (SONY)
SYNC SEPARATOR
— PRINTED SIDE —



CX20004A (SONY) FLAT PACKAGE
FM MOD/DEMODULATOR/DROPOUT COMPENSATOR
— TOP VIEW —

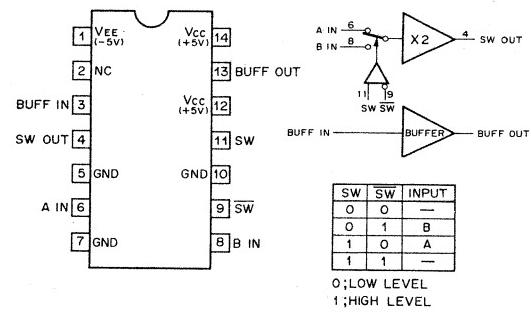


CX20099 (SONY)
VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP
— TOP VIEW —



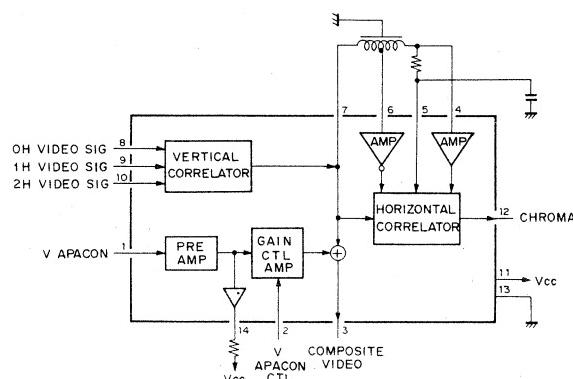
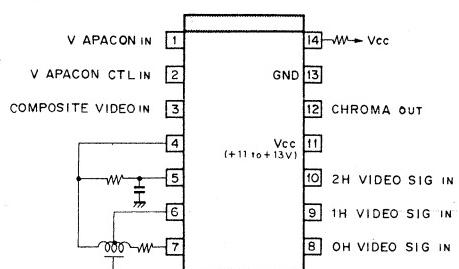
DET ; DETECTOR
TC ; TIME CONSTANT
TCH ; TIME CONSTANT HOLD
VCA ; VOLTAGE CONTROLLED AMP

CX20158 (SONY)
VIDEO SWITCHER AND BUFFER
— TOP VIEW —

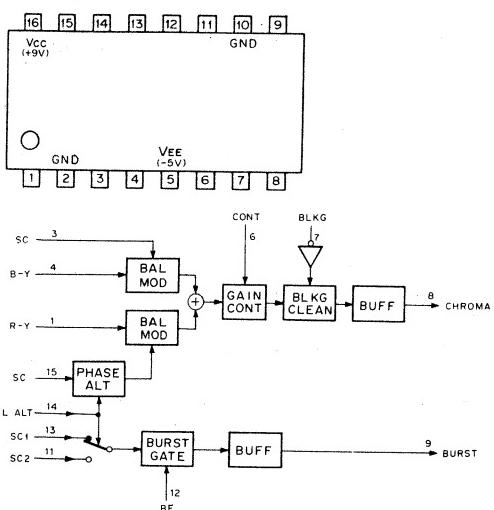


0; LOW LEVEL
1; HIGH LEVEL
—; INDEFINITE

CX22013 (SONY)
DYNAMIC COMB FILTER
— TOP VIEW —

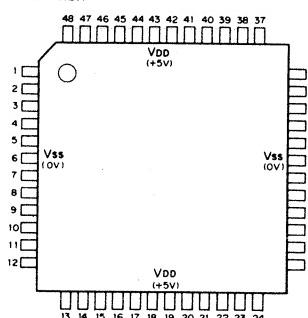


CX22017 (SONY)
VIDEO SIGNAL PROCESSOR
— TOP VIEW —



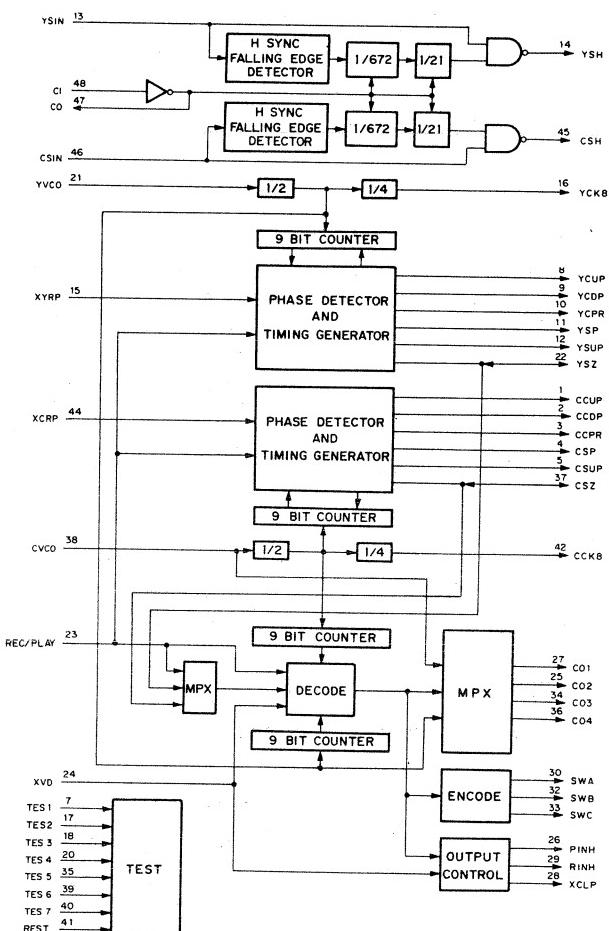
13	YSIN	14	CCDP ; CHROMA CHARGE DOWN PULSE OUT
46	CSIN	45	CCK 8 ; CHROMA VCO 1/8 COUNT DOWN OUT
49	CO	48	CCPR ; CHROMA CHARGE PUMP RESET PULSE OUT
47	CI	46	CCUP ; CHROMA CHARGE UP PULSE OUT
		45	C1 ; CLOCK IN(SELECTED H)
		44	C0 ; CLOCK OUT(SELECTED H)
		43	CO1-4 ; CLOCK OUT(CCD DRIVE)
		42	CSH ; CHROMA SELECTED H OUT
		41	CSIN ; CHROMA HORIZONTAL SYNC IN
		40	CSP ; CHROMA SAMPLING PULSE OUT
		39	CSUP ; CHROMA SPEED UP PULSE OUT
		38	CSZ ; CHROMA SYNC ZERO OUT (PLAYBACK)
		37	CVCO ; CHROMA VCO CLOCK IN
		36	PINH ; PLAY INHIBIT OUT
		35	REC/PLAY ; REC/PLAY SELECT IN
		34	RST ; RESET IN
		33	RINH ; REC INHIBIT OUT
		32	SWA, SWB, SWC ; CCD READ DATA SELECT A, B, C OUT
		31	TES 1-7 ; TEST1-7 IN
		30	XCLP ; CHROMA CLAMP OUT
		29	XCRP ; CHROMA VCO RESET PULSE IN
		28	XYRP ; Y VCO RESET PULSE
		27	XVD ; VD IN
		26	YCDP ; Y CHARGE DOWN PULSE OUT
		25	YCKB ; Y VCO 1/8 COUNT DOWN OUT
		24	YCPR ; Y CHARGE PUMP RESET PULSE OUT
		23	YCUP ; Y CHARGE UP PULSE OUT
		22	YSH ; Y SELECTED H OUT
		21	YSW ; Y HORIZONTAL SYNC IN
		20	YSZ ; Y SAMPLING PULSE OUT
		19	YSUP ; Y SPEED UP PULSE OUT
		18	YSZ ; Y SYNC ZERO (RECORD)
		17	YVCO ; Y VCO CLOCK IN

CX23084 (SONY) FLAT PACKAGE
C-MOS TIMING GENERATOR/CCD CLOCK GENERATOR
— TOP VIEW —



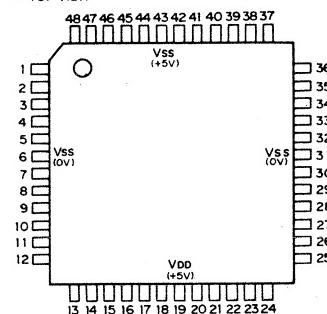
PIN ASSIGNMENT

PIN NO	IN	OUT	SYMBOL	PIN NO	IN	OUT	SYMBOL	PIN NO	IN	OUT	SYMBOL
1	○	○	CCUP	13	○	○	YSIN	25	○	○	CSZ
2	○	○	CCDP	14	○	○	YSH	26	○	○	CSP
3	○	○	CCPR	15	○	○	XYRP	27	○	○	TES 6
4	○	○	CSP	16	○	○	YCKB	28	○	○	XCLP
5	○	○	CSUP	17	○	○	TES 2	29	○	○	TES 7
6	Vss	(0V)		18	○	○	TES 3	30	○	○	RINH
7	○			19	Vdd	31		31	○	○	RST
8	○			20	○	○	TES 4	32	○	○	SWA
9	○			21	○	○	YVCO	33	○	○	SWB
10	○			22	○	○	YCP	34	○	○	CO 3
11	○			23	○	○	YSZ	35	○	○	CO 4
12	○			24	○	○	XVD	36	○	○	CO 1



**CX7993A (SONY) FLAT PACKAGE
C-MOS TIMING GENERATOR**

— TOP VIEW —



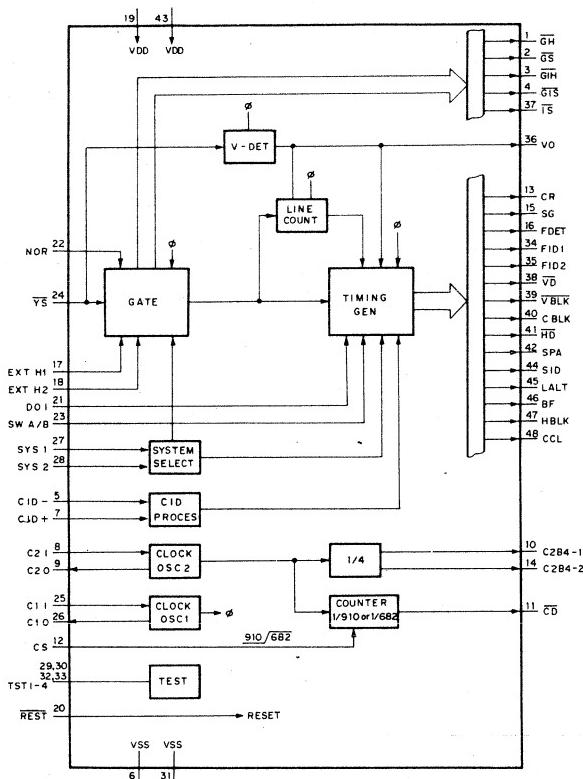
PIN ASSIGNMENT

PIN NO	IN	OUT	SYMBOL	PIN NO	IN	OUT	SYMBOL	PIN NO	IN	OUT	SYMBOL
1	○	○	GH	13	○	○	CR	25	○	○	C11
2	○	○	GS	14	○	○	C2B4-2	26	○	○	C10
3	○	○	GH	15	○	○	SG	27	○	○	SYS 1
4	○	○	GS	16	○	○	FDET	28	○	○	SYS 2
5	○	○	CID -	17	○	○	EXTH 1	29	○	○	T1
6	Vss	18	○	EXT H 2	30	○	○	2	42	○	SPA
7	○	○	CID +	19	○	○	VDD	31	○	○	VDD
8	○	○	C2I	20	○	○	RST	32	○	○	T3
9	○	○	C2O	21	○	○	DOI	33	○	○	T4
10	○	○	C2B4-1	22	○	○	NOR	34	○	○	FID 1
11	○	○	CD	23	○	○	SW A/B	35	○	○	FID 2
12	○	○	CS	24	○	○	VS	36	○	○	VO
											CCL

22	NOR	1	BF	BURST FLAG OUT
24	YS	2	C11	CLOCK 1 IN
		3	C10	CLOCK 1 OUT
17	EXT H 1	4	C2B4-1	CLOCK 2/4-1
18	EXT H 2	5	C2B4-2	CLOCK 2/4-2
21	DOI	6	C2I	CLOCK 2 IN
23	SW A/B	7	C2O	CLOCK 2 OUT
27	SYS 1	8	CBLK	CHROMA BLANKING PULSE OUT
28	SYS 2	9	CCL	CHROMA CLAMP
		10	CD	COUNT DOWN SIGNAL
5	FDET	11	CID+, CID-	CHROMA ID +,- IN
7	CID(-)	12	CR	CORRECT SYNC OUT
9	FID 1	13	CS	COUNTER SELECT IN
11	FID 2	14	EXTH 1	EXTERNAL H-1
13	VD	15	EXTH 2	EXTERNAL H-2
15	VBLK	16	FDET	FRAME DET OUT
17	C2I	17	FID 1 FID 2	FRAME ID 1,2 OUT
19	C2O	18	GH	GATED H OUT
21	CBLK	19	GIS	GATE/INTERPORATED H OUT
23	HD	20	GIS	GATE/INTERPORATED SYNC OUT
25	SPA	21	GS	GATED SYNC OUT
26	SID	22	HBLK	H-BLANKING PULSE OUT
28	LALT	23	HD	HD OUT
30	BF	24	IS	INTERPORATED SYNC OUT
32	CS	25	LALT	LINE ALTERNATE OUT
33	TST 1	26	NOR	MODE SELECT(NORMAL/SERCH) IN
35	TST 2	27	RST	RESET IN
37	TST 3	28	SG	SYNC GATE OUT
39	C2B4-1	29	SID	SECAM ID OUT
41	TST 4	30	SPA	SECAM PHASE ALTERNATE OUT
43	C2B4-2	31	SW A/B	Y SWITCHING PULSE A/B IN
45		32	TST 1, TST 2	SYSTEM SELECT 1,2 IN
47		33	VBLK	V-BLANKING PULSE OUT
49		34	VD	VD OUT
51		35	VO	V OUT
53		36	YS	Y SYNC OUT

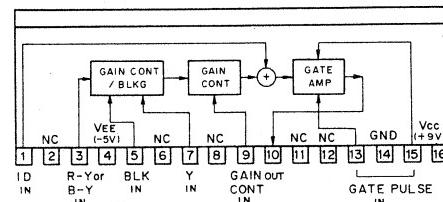
SYNOPSIS OF PIN FUNCTIONS

- 1 NOR
- 2 GS
- 3 GH
- 4 GS
- 5 GH
- 6 VSS (OV)
- 7 IS
- 8 EXT H 1
- 9 EXT H 2
- 10 DOI
- 11 SW A/B
- 12 SYS 1
- 13 CR
- 14 SG
- 15 SID
- 16 FDET
- 17 C2B4-1
- 18 C2B4-2
- 19 C2I
- 20 C2O
- 21 CBLK
- 22 CCL
- 23 CCL
- 24 C2B4-1
- 25 C2B4-2
- 26 C2I
- 27 C2O
- 28 CBLK
- 29 CCL
- 30 CCL
- 31 VDD
- 32 VBLK
- 33 HD
- 34 SPA
- 35 SID
- 36 VO
- 37 FID 1
- 38 FID 2
- 39 VBLK
- 40 CBLK
- 41 HD
- 42 SPA
- 43 SID
- 44 ALT
- 45 FID
- 46 HBLK
- 47 CCL
- 48 CCL
- 49 CCL
- 50 TEST
- 51 REST
- 52 VSS
- 53 VSS

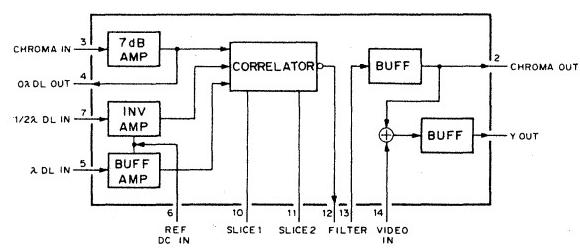
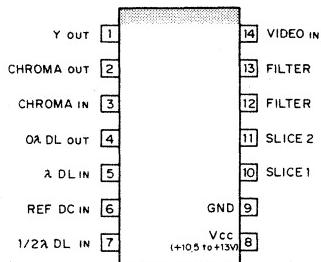


**CX850 (SONY)
VIDEO SIGNAL PROCESSOR**

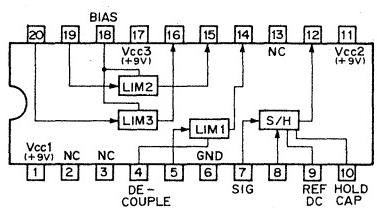
— PRINTED SIDE VIEW —



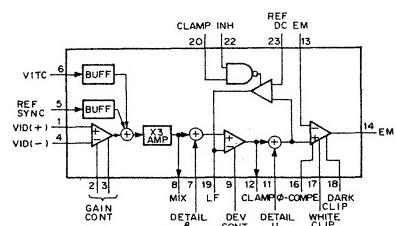
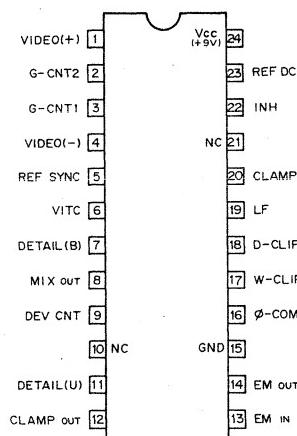
CXA1020P (SONY)
CHROMA CROSS-COLOR NOISE REDUCER/EDGE COMPENSATOR
— TOP VIEW —



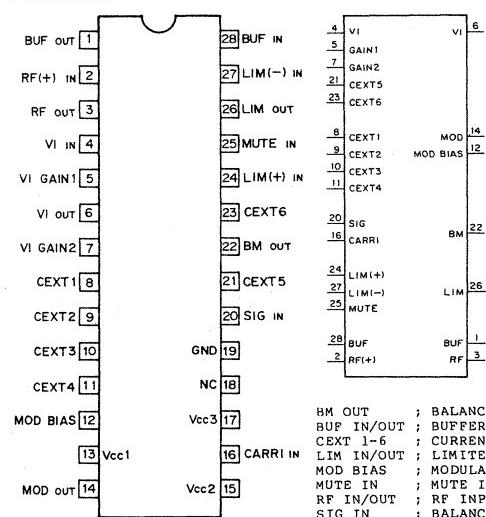
CXA1039M (SONY) FLAT PACKAGE
DETAIL ENHANCER LIMITER
— TOP VIEW —



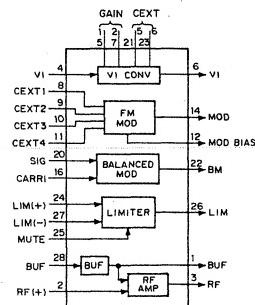
CXA1040M (SONY) MINI FLAT PACKAGE
VIDEO SIGNAL PROCESSOR
— TOP VIEW —



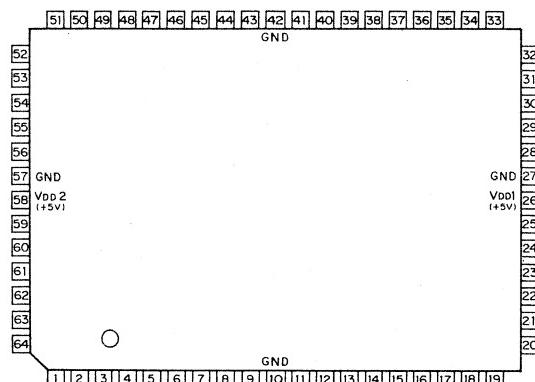
CXA1041M (SONY) MINI FLAT PACKAGE
FM MODULATOR
— TOP VIEW —



BM OUT ; BALANCED MODULATOR OUTPUT
BUF IN/OUT ; BUFFER INPUT/OUTPUT
CEXT 1-6 ; CURRENT MILLER EXIT 1-6
LIM IN/OUT ; LIMITER INPUT/OUTPUT
MOD BIAS ; MODULATOR BIAS
MUTE IN ; MUTE INPUT
RF IN/OUT ; RF INPUT/OUTPUT
SIG IN ; BALANCED MODULATOR SIGNAL INPUT



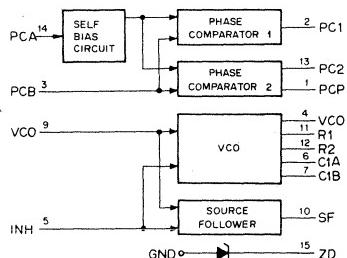
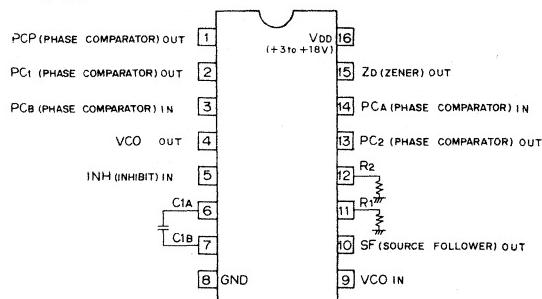
CXD1095Q (SONY) FLAT PACKAGE
C-MOS I/O PORT EXPANDER
— TOP VIEW —



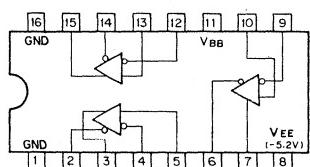
PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	17	O	O	PC6	33			NC
2			NC	18	O	O	PC7	34			NC
3	O	O	PB1	19			NC	35	O	O	D3
4	O	O	PB2	20	O	O	PDO	36	O	O	D4
5	O	O	PB3	21	O	O	PD1	37	O	O	D5
6	O	O	PB4	22	O	O	PD2	38	O	O	D6
7	O	O	PB5	23	O	O	PD3	39	O	O	D7
8	O	O	PB6	24	O	O	PD4	40	O		CLR
9	O	O	PB7	25			GND	41	O		RST
10				26	O	VDD(+5V)		42			GND
11	O	O	PC0	27	O	O	PD5	43	O		WR
12	O	O	PC1	28	O	O	PD6	44	O		RD
13	O	O	PC2	29	O	O	PD7	45	O		CS
14	O	O	PC3	30	O	O	DO	46	O		A1
15	O	O	PC4	31	O	O	D1	47	O		A0
16	O	O	PC5	32	O	O	D2	48	O		A2

PA0	54	CS	RD	WR	A2	A1	AO	MODE
PA1	55	O	O	1	O	O	O	PORT A → DATA BUS
PA2	56	O	O	1	O	O	1	PORT B → DATA BUS
PA3	57	O	O	1	O	1	O	PORT C → DATA BUS
PA4	58	O	O	1	O	1	1	PORT D → DATA BUS
PA5	59	O	O	1	1	O	O	PORT X → DATA BUS
PA6	60	O	O	1	1	O	1	—
PA7	61	O	O	1	1	1	O	—
PA8	62	O	O	1	1	1	O	—
PA9	63	O	O	1	1	1	O	—
PA10	64	O	O	1	1	1	1	—
PA11	65	O	O	1	0	O	O	DATA BUS → PORT A
PA12	66	O	O	1	0	O	1	DATA BUS → PORT B
PA13	67	O	O	1	0	1	O	DATA BUS → PORT C
PA14	68	O	O	1	0	1	1	DATA BUS → PORT D
PA15	69	O	O	1	0	1	O	DATA BUS → PORT X
PA16	70	O	O	1	0	1	O	—
PA17	71	O	O	1	0	1	O	—
PA18	72	O	O	1	0	1	O	—
PA19	73	O	O	1	0	1	O	—
PA20	74	O	O	1	0	1	O	—
PA21	75	O	O	1	0	1	O	—
PA22	76	O	O	1	0	1	O	—
PA23	77	O	O	1	0	1	O	—
PA24	78	O	O	1	0	1	O	—
PA25	79	O	O	1	0	1	O	—
PA26	80	O	O	1	0	1	O	—
PA27	81	O	O	1	0	1	O	—
PA28	82	O	O	1	0	1	O	—
PA29	83	O	O	1	0	1	O	—
PA30	84	O	O	1	0	1	O	—
PA31	85	O	O	1	0	1	O	—
PA32	86	O	O	1	0	1	O	—
PA33	87	O	O	1	0	1	O	—
PA34	88	O	O	1	0	1	O	—
PA35	89	O	O	1	0	1	O	—
PA36	90	O	O	1	0	1	O	—
PA37	91	O	O	1	0	1	O	—
PA38	92	O	O	1	0	1	O	—
PA39	93	O	O	1	0	1	O	—
PA40	94	O	O	1	0	1	O	—
PA41	95	O	O	1	0	1	O	—
PA42	96	O	O	1	0	1	O	—
PA43	97	O	O	1	0	1	O	—
PA44	98	O	O	1	0	1	O	—
PA45	99	O	O	1	0	1	O	—
PA46	100	O	O	1	0	1	O	—
PA47	101	O	O	1	0	1	O	—
PA48	102	O	O	1	0	1	O	—
PA49	103	O	O	1	0	1	O	—
PA50	104	O	O	1	0	1	O	—
PA51	105	O	O	1	0	1	O	—
PA52	106	O	O	1	0	1	O	—
PA53	107	O	O	1	0	1	O	—
PA54	108	O	O	1	0	1	O	—
PA55	109	O	O	1	0	1	O	—
PA56	110	O	O	1	0	1	O	—
PA57	111	O	O	1	0	1	O	—
PA58	112	O	O	1	0	1	O	—
PA59	113	O	O	1	0	1	O	—
PA60	114	O	O	1	0	1	O	—
PA61	115	O	O	1	0	1	O	—
PA62	116	O	O	1	0	1	O	—
PA63	117	O	O	1	0	1	O	—
PA64	118	O	O	1	0	1	O	—
PA65	119	O	O	1	0	1	O	—
PA66	120	O	O	1	0	1	O	—
PA67	121	O	O	1	0	1	O	—
PA68	122	O	O	1	0	1	O	—
PA69	123	O	O	1	0	1	O	—
PA70	124	O	O	1	0	1	O	—
PA71	125	O	O	1	0	1	O	—
PA72	126	O	O	1	0	1	O	—
PA73	127	O	O	1	0	1	O	—
PA74	128	O	O	1	0	1	O	—
PA75	129	O	O	1	0	1	O	—
PA76	130	O	O	1	0	1	O	—
PA77	131	O	O	1	0	1	O	—
PA78	132	O	O	1	0	1	O	—
PA79	133	O	O	1	0	1	O	—
PA80	134	O	O	1	0	1	O	—
PA81	135	O	O	1	0	1	O	—
PA82	136	O	O	1	0	1	O	—
PA83	137	O	O	1	0	1	O	—
PA84	138	O	O	1	0	1	O	—
PA85	139	O	O	1	0	1	O	—
PA86	140	O	O	1	0	1	O	—
PA87	141	O	O	1	0	1	O	—
PA88	142	O	O	1	0	1	O	—
PA89	143	O	O	1	0	1	O	—
PA90	144	O	O	1	0	1	O	—
PA91	145	O	O	1	0	1	O	—
PA92	146	O	O	1	0	1	O	—
PA93	147	O	O	1	0	1	O	—
PA94	148	O	O	1	0	1	O	—
PA95	149	O	O	1	0	1	O	—
PA96	150	O	O	1	0	1	O	—
PA97	151	O	O	1	0	1	O	—
PA98	152	O	O	1	0	1	O	—
PA99	153	O	O	1	0	1	O	—
PA100	154	O	O	1	0	1	O	—
PA101	155	O	O	1	0	1	O	—
PA102	156	O	O	1	0	1	O	—
PA103	157	O	O	1	0	1	O	—
PA104	158	O	O	1	0	1	O	—
PA105	159	O	O	1	0	1	O	—
PA106	160	O	O	1	0	1	O	—
PA107	161	O	O	1	0	1	O	—
PA108	162	O	O	1	0	1	O	—
PA109	163	O	O	1	0	1	O	—
PA110	164	O	O	1	0	1	O	—
PA111	165	O	O	1	0	1	O	—
PA112	166	O	O	1	0	1	O	—
PA113	167	O	O	1	0	1	O	—
PA114	168	O	O	1	0	1	O	—
PA115	169	O	O	1	0	1	O	—
PA116	170	O	O	1	0	1	O	—
PA117	171	O	O	1	0	1	O	—
PA118	172	O	O	1	0	1	O	—
PA119	173	O	O	1	0	1	O	—
PA120	174	O	O	1	0	1	O	—
PA121	175	O	O	1	0	1	O	—
PA122	176	O	O	1	0	1	O	—
PA123	177	O	O	1	0	1	O	—
PA124	178	O	O	1	0	1	O	—
PA125	179	O	O	1	0	1	O	—
PA126	180	O	O	1	0	1	O	—
PA127	181	O	O	1	0	1	O	—
PA128	182	O	O	1	0	1	O	—
PA129	183	O	O	1	0	1	O	—
PA130	184	O	O	1	0	1	O	—
PA131	185	O	O	1	0	1	O	—
PA132	186	O	O	1	0	1	O	—
PA133	187	O	O	1	0	1	O	—
PA134	188	O	O	1	0	1	O	—
PA135	189	O	O	1	0	1	O	—
PA136	190	O	O	1	0	1	O	—
PA137	191	O	O	1	0	1	O	—
PA138	192	O	O	1	0	1	O	—
PA139	193	O	O	1	0	1	O	—
PA140	194	O	O	1	0	1	O	—
PA141	195	O	O	1	0	1	O	—
PA142	196	O	O	1	0	1	O	—
PA143	197	O	O	1	0	1	O	—
PA144	198	O	O	1	0	1	O	—
PA145	199	O	O	1	0	1	O	—
PA146	200	O	O	1	0	1	O	—
PA147	201	O	O	1	0	1	O	—
PA148	202	O	O	1	0	1	O	—
PA149	203	O	O	1	0	1	O	—
PA150	204	O	O	1	0	1	O	—
PA151	205	O	O	1	0	1	O	—
PA152	206	O	O	1	0	1	O	—
PA153	207	O	O	1	0	1	O	—
PA154	2							

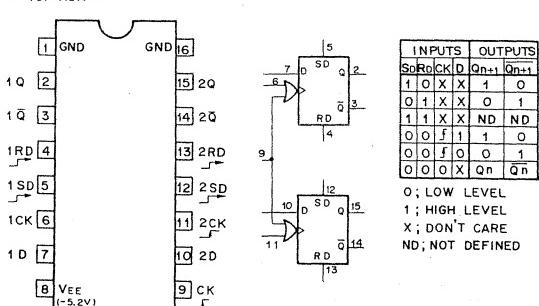
HD14046BP (HITACHI)
C-MOS PHASE LOCKED LOOP
— TOP VIEW —



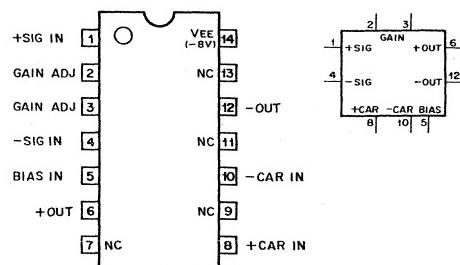
MC10H116M (MOTOROLA) FLAT PACKAGE
ECL DIFFERENTIAL OR/NOR LINE RECEIVER
— TOP VIEW —



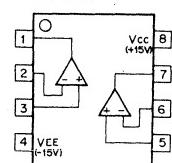
MC10H131M (MOTOROLA) FLAT PACKAGE
ECL D-TYPE FLIP FLOP
— TOP VIEW —



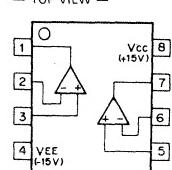
NJM1496M (JRC) FLAT PACKAGE
BALANCED MODULATOR/DEMODULATOR
— TOP VIEW —



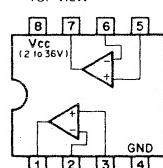
NJM2041M-D (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



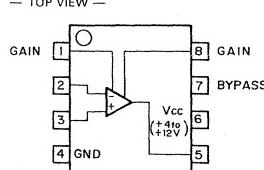
NJM2043M-D (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



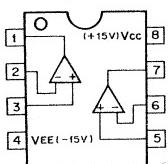
NJM2903M (JRC) FLAT PACKAGE
uPC393G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



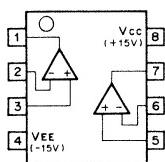
NJM386M (JRC) FLAT PACKAGE
AUDIO POWER AMPLIFIER
— TOP VIEW —



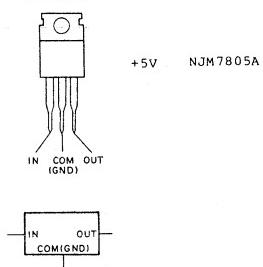
NJM4558M (JRC) FLAT PACKAGE
uPC4558G2 (NEC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



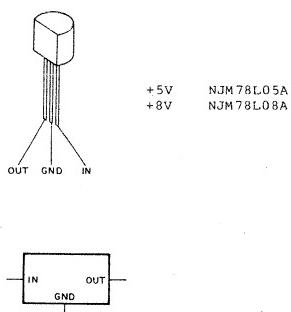
NJM4560M (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



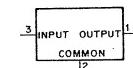
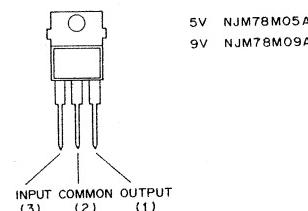
NJM7805A(JRC)
POSITIVE VOLTAGE REGULATOR (1A)
— SIDE VIEW —



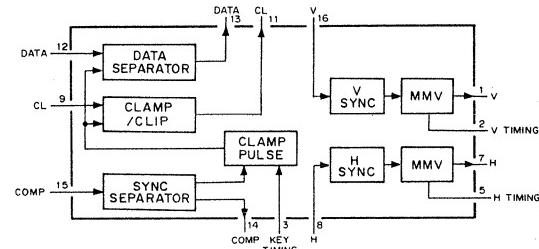
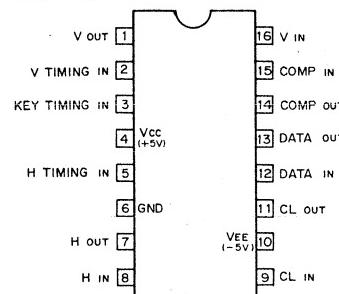
NJM78L05A(JRC)
NJM78L09A(JRC)
POSITIVE VOLTAGE REGULATOR (100mA)



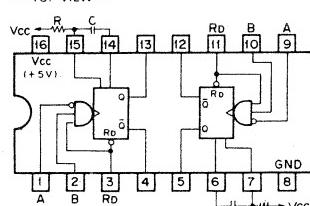
NJM78M05A(JRC)
NJM78M09A(JRC)
POSITIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —



PA0009 (PIONEER)
SIGNAL SEPARATOR
— TOP VIEW —



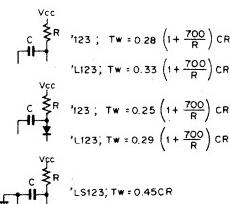
SN74LS123NS (T1) FLAT PACKAGE
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET
— TOP VIEW —



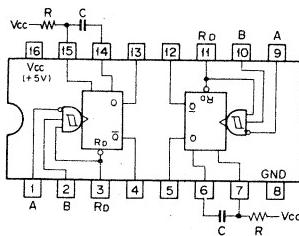
INPUTS	OUTPUTS
R ₀ [A] B 0 0	0; LOW LEVEL
0 X X 0 1	1; HIGH LEVEL
X 1 X 0 1	
X X 0 0 1	
1 0 1 1 L L	
1 1 1 1 L L	
1 0 1 L L	
1 0 1 L L	

O: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

OUTPUT PULSE WIDTH



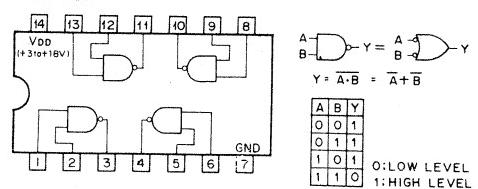
SN74LS221NS (TI) FLAT PACKAGE
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —



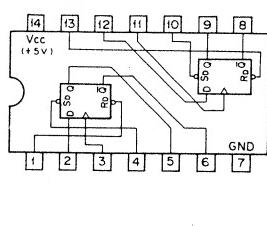
INPUTS	OUTPUTS
Rd A B	Q Y
0 X X	0 1
X 1 X	0 1
X X 0	0 1
1 0 ↓	↓ 0: LOW LEVEL
1 ↓ 1 ↓	↓ 1: HIGH LEVEL
↑ 0 1 ↓	↓ X: DONT CARE

OUTPUT PULSE WIDTH = 0.7CR

TC4011BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT NAND GATE
— TOP VIEW —



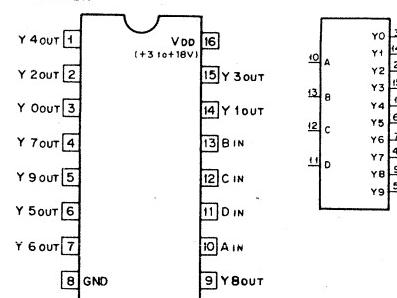
SN74LS74ANS (TI) FLAT PACKAGE
TTL D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



INPUTS	OUTPUTS
S _d R _d C _k D	Qn+1 Qn+1
0 1 X X	1 0
1 0 X X	0 1
0 0 X X	1* 1*
1 1 ↓ 1	1 0
1 1 ↓ 0	0 1
1 1 0 X	Qn Qn

O: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
1*: NONSTABLE

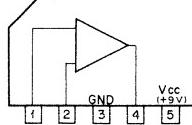
TC4028BF (TOSHIBA) FLAT PACKAGE
C-MOS BCD TO DECIMAL DECODER
— TOP VIEW —



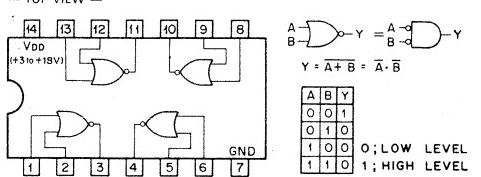
STATE	INPUTS	OUTPUTS
0	D C B A	Y ₀ Y ₁ Y ₂ Y ₃ Y ₄ Y ₅ Y ₆ Y ₇ Y ₈ Y ₉
1	0 0 0 0 1	0 1 0 0 0 0 0 0 0 0 0
2	0 0 0 1 0	0 0 1 0 0 0 0 0 0 0 0
3	0 0 1 1 0	0 0 0 1 0 0 0 0 0 0 0
4	0 1 0 0 0	0 0 0 0 1 0 0 0 0 0 0
5	0 1 0 1 0	0 0 0 0 0 1 0 0 0 0 0
6	0 1 1 1 0	0 0 0 0 0 0 1 0 0 0 0
7	0 1 1 1 0	0 0 0 0 0 0 0 1 0 0 0
8	1 X X 0 0	0 0 0 0 0 0 0 0 1 0 0
9	1 X X 1 0	0 0 0 0 0 0 0 0 0 1 X: DONT CARE

O: LOW LEVEL
1: HIGH LEVEL

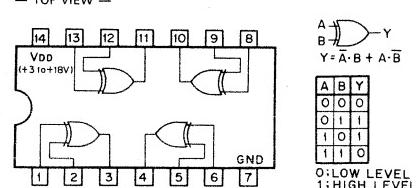
TA7357AP (TOSHIBA)
SYNC SEPARATOR/HD PULSE GENERATOR
— SIDE VIEW —



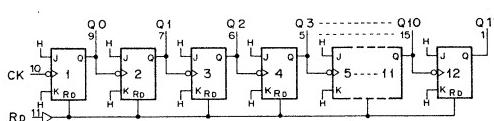
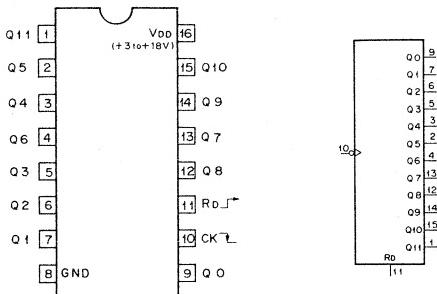
TC4030BF (TOSHIBA) FLAT PACKAGE
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —



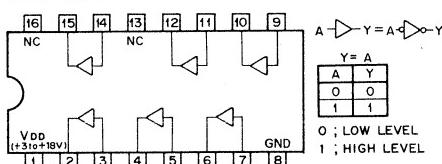
TC4030BF (TOSHIBA) FLAT PACKAGE
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —



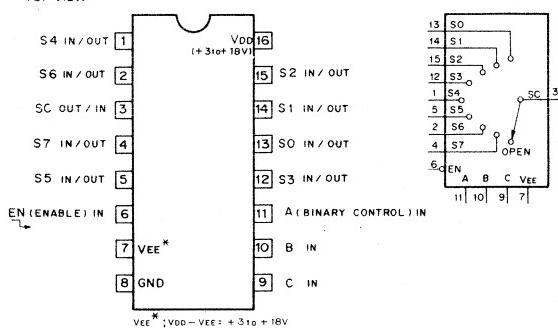
TC4040BF (TOSHIBA) FLAT PACKAGE
C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER
— TOP VIEW —



TC4050BF (TOSHIBA) FLAT PACKAGE
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —

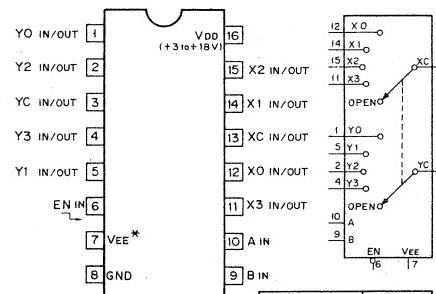


TC4051BF (TOSHIBA) FLAT PACKAGE
C-MOS 8-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



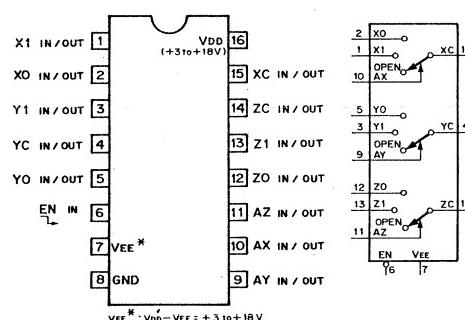
E	N	C	B	A	"ON" CHANNEL
0	0	0	0	0	0
0	0	0	0	1	1
0	0	1	0	0	2
0	0	1	1	1	3
0	1	0	0	0	4
0	1	0	1	0	5
0	1	1	0	0	6
0	1	1	1	1	7
1	X	X	X	X	OPEN

TC4052BFHB (TOSHIBA) FLAT PACKAGE
C-MOS 4-CHANNEL MULTIPLEXER/DEMULITPLEXER
— TOP VIEW —



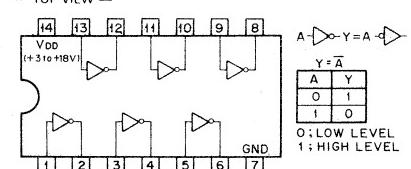
VEE*	VDD-VEE = +3 to +18V	CONTROL INPUTS	"ON" CHANNEL
O: LOW LEVEL	1: HIGH LEVEL	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	OPEN

TC4053BFHB (TOSHIBA) FLAT PACKAGE
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —

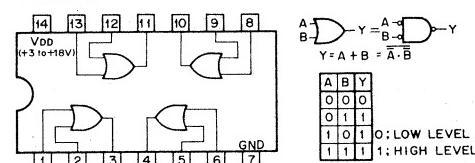


	CONT. INPUTS		ON CHANNEL
	EN	A (X,Y,Z)	
O ; LOW LEVEL		O	O
1 ; HIGH LEVEL		1	1
X ; DONT CARE		X	OPEN

TC4069UBF (TOSHIBA) FLAT PACKAGE
C-MOS INVERTER
TOP VIEW



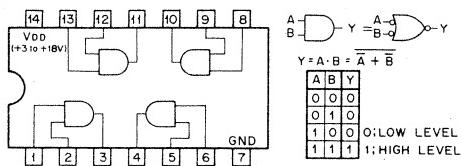
TC4071BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT OR GATE
— TOP VIEW —



TC4081BF (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT AND GATE

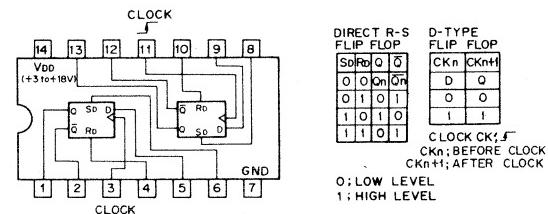
— TOP VIEW —



TC504013BF (TOSHIBA) FLAT PACKAGE

C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET

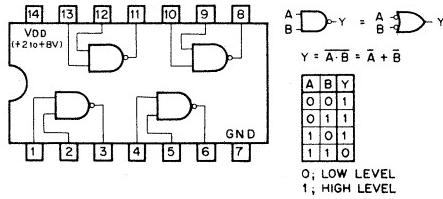
— TOP VIEW —



TC40H000F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

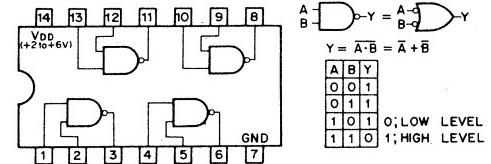
— TOP VIEW —



TC74HC00F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

— TOP VIEW —



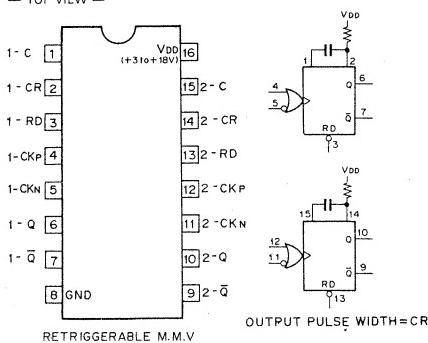
TC4538BF (TOSHIBA) FLAT PACKAGE

TC74HC4538F (TOSHIBA) FLAT PACKAGE

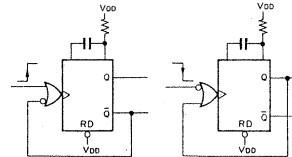
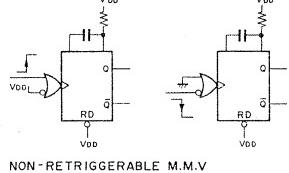
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE

MONOSTABLE MULTIVIBRATOR

— TOP VIEW —



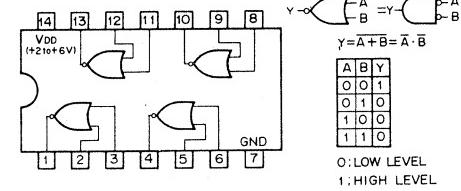
RETRIGGERABLE M.M.V



TC74HC02F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT POSITIVE-NOR GATE

— TOP VIEW —

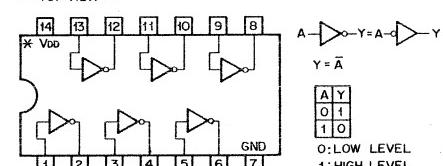


TC74HC04F (TOSHIBA) FLAT PACKAGE

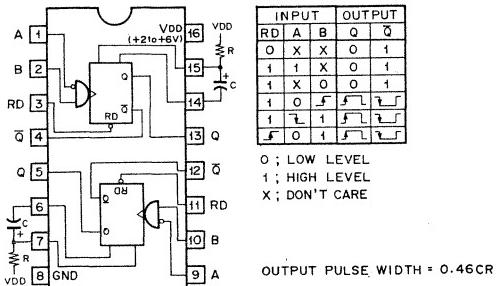
TC74HCU04F (TOSHIBA) FLAT PACKAGE

C-MOS INVERTER

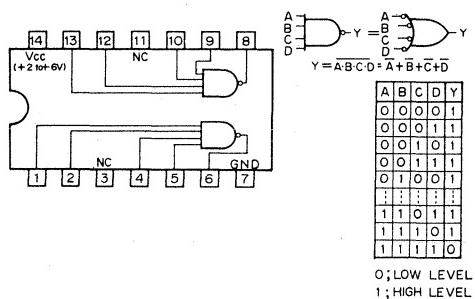
— TOP VIEW —

* V_{DD} HC, HCU; +2.0 to +6V
HCT; +5V

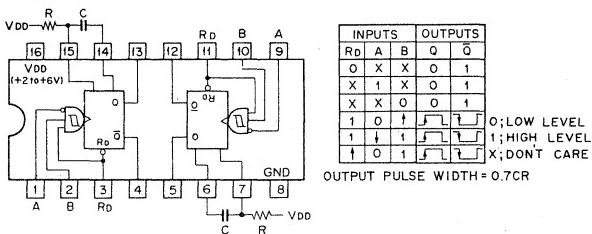
TC74HC123F (TOSHIBA) FLAT PACKAGE
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



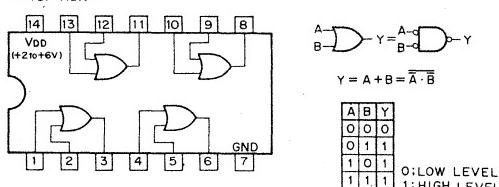
TC74HC20F (TOSHIBA) FLAT PACKAGE
C-MOS 4-INPUT POSITIVE-NAND GATE
— TOP VIEW —



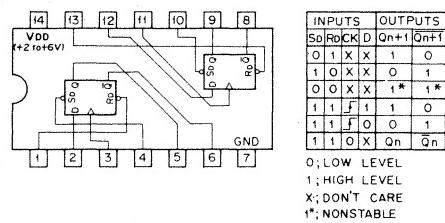
TC74HC221F (TOSHIBA) FLAT PACKAGE
C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —



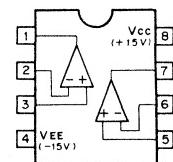
TC74HC32F (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT OR GATE
— TOP VIEW —



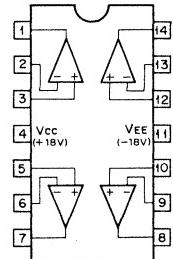
TC74HC74F (TOSHIBA) FLAT PACKAGE
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



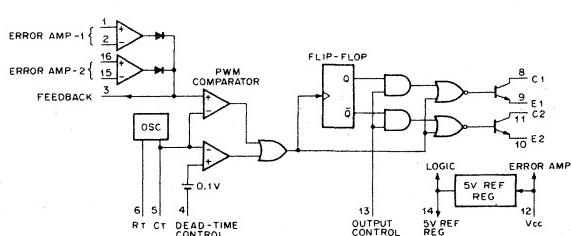
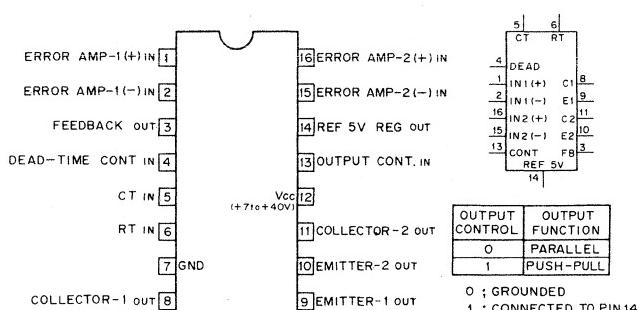
TL082CPS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



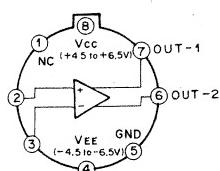
TL084CNS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



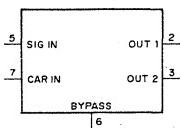
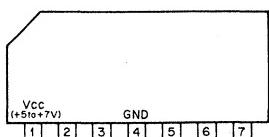
TL494CN (TI)
PWM POWER CONTROL
— TOP VIEW —



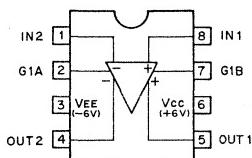
uA760HC (FSC)
HIGH SPEED VOLTAGE COMPARATOR
— TOP VIEW —



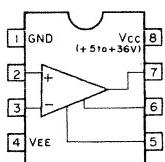
uPC1037H (NEC)
DOUBLE-BALANCED MODULATOR
— SIDE VIEW —



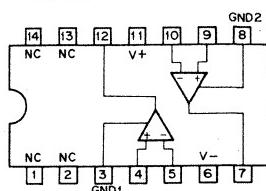
uPC1663G (NEC) FLAT PACKAGE
WIDEBAND VIDEO AMPLIFIER
— TOP VIEW —



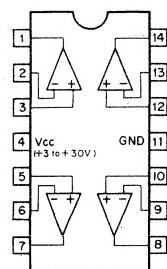
uPC311G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



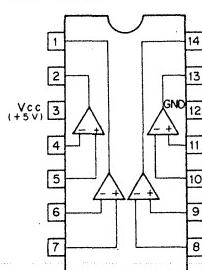
uPC319G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



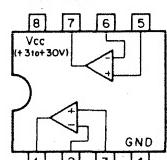
uPC324G2 (NEC) FLAT PACKAGE
QUAD. OP AMPLIFIER
— TOP VIEW —



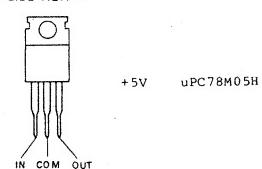
uPC339G2 (NEC) FLAT PACKAGE
COMPARATOR
— TOP VIEW —



uPC358G2 (NEC) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIERS
— TOP VIEW —

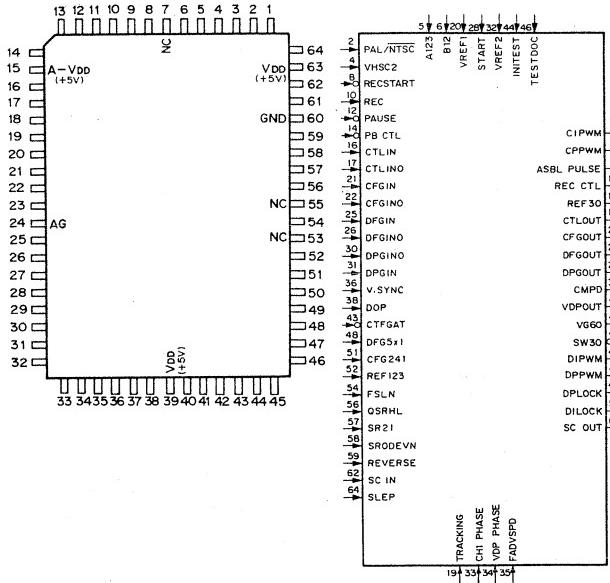


μPC78M05H(NEC)
POSITIVE VOLTAGE REGULATOR (0.5A)
— SIDE VIEW —



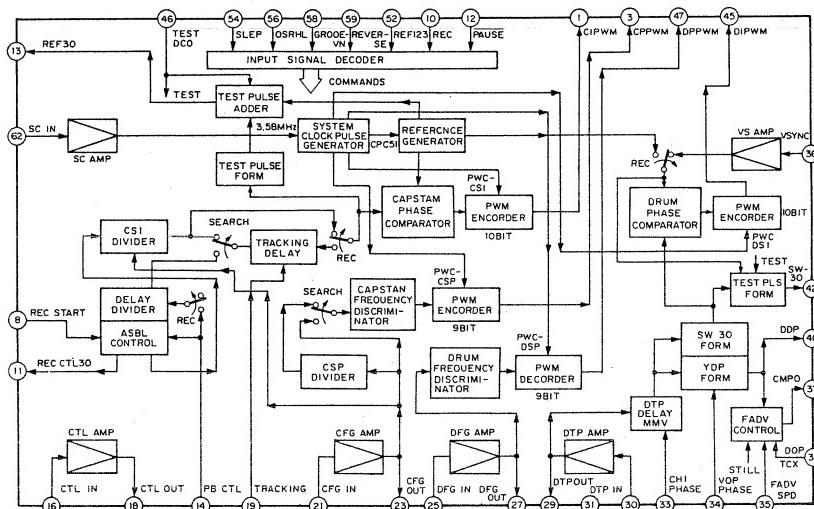
uPD6111G (NEC) FLAT PACKAGE
C-MOS SERVO CONTROLLER

— TOP VIEW —



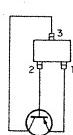
PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	O	CIPWM	17	I	CTL IN0	33	I	CH1 PHASE	49	O	DP LOCK
2	I	PAL/NTSC	18	O	CTL OUT	34	I	VDP PHASE	50	O	DI LOCK
3	O	CPPWM	19	I	TRACKING	35	I	FADVSVD	51	I	C FG 241
4	I	VHSC2	20	I	VREF1	36	I	V SYNC	52	I	REF123
5	I	A123	21	I	C FG IN	37	O	CMPD	53	NC	
6	I	B12	22	I	C FG NO	38	I	DOP	54	I	FSLN
7	NC		23	O	C FG OUT	39	I	VDD (+5V)	55	NC	
8	I	REC START	24	AG		40	O	VDP OUT	56	I	QSR HL
9	O	ASBL PULSE	25	I	D FG IN	41	O	VG60	57	I	SR21
10	I	REC	26	I	D FG NO	42	O	SW30	58	I	SRODEV
11	O	REC CTL	27	O	D FG OUT	43	I	CTFGAT	59	I	REVERSE
12	I	PAUSE	28	I	START	44	I	INI TEST	60	GND	
13	O	REF30	29	O	D PG OUT	45	O	DI PWM	61	O	SC OUT
14	I	FB CTL	30	I	D PG IN	46	I	TEST DOC	62	I	SC IN
15	I	A-VDD (+5V)	31	I	D PG IN	47	O	DP PWM	63	I	Vdd (+5V)
16	I	CTL IN	32	I	VREF2	48	I	D FG 5x1	64	I	SLEP

A123 : TEST TERMINAL (L= NORMAL)
 B12 : TEST TERMINAL (L= NORMAL)
 CFG241 : CAPSTAN FG (x2/x4/x1) INPUT
 CIPWM : CAPSTAN PHASE PWM OUTPUT
 CPPWM : CAPSTAN VELOCITY PWM OUTPUT
 DPPWM : DRUM PHASE PWM CONTROL
 DFG5X1 : DRUM FG (x5/x1) INPUT
 DILOCK : DRUM PHASE LOCK OUTPUT
 DIPWM : DRUM PHASE PWM OUTPUT
 DOP : DROPOUT PULSE INPUT
 DPLOCK : DRUM VELOCITY LOCK OUTPUT
 DPPWM : DRUM VELOCITY PWM OUTPUT
 FADVSVD : FRAME ADVANCE SPEED ADJUST
 FSLN : SLOW MODE SELECT INPUT
 QSRHL : QUICK START REC CONTROL INPUT
 REF123 : REF 30 FREQUENCY FINE ADJUST
 REVERSE : CAPSTAN DIRECTION CONTROL IN.
 SLEP : P MODE -1/2/3 SELECT INPUT
 SRODEV : SEARCH SPEED SELECT INPUT
 SW30 : HEAD SWITCHING OUTPUT
 VDP : VERTICAL DUMMY PULSE OUTPUT
 VG60 : VIDEO GATE OUTPUT (FOR 8mm)
 VHSC2 : VHS,BETA/8mm SELECT(H=8,L=8mm)



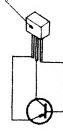
TRANSISTOR, DIOD

TOP VIEW (SCALE 4/1)



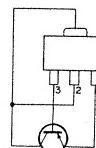
2SA1162
2SA1162G
2SA1226
2SA812

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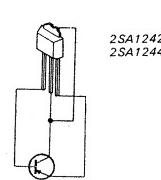


2SA1175

TOP VIEW (SCALE 4/1)



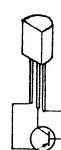
2SA1213
2SB798



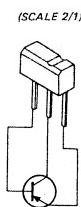
2SA1242
2SA1244



2SB733

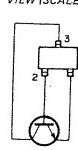


2SB739

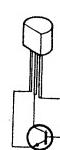


(SCALE 2/1)
2SA937
2SB822

TOP VIEW (SCALE 4/1)

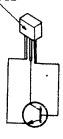


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2SC1623
2SC2230
2SC2712
2SC2714
2SC2715
2SC3326
2SD1030

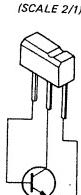


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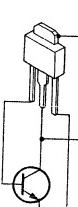
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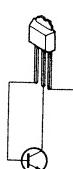
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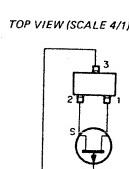
(SCALE 2/1)
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2SD1055



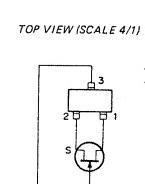
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2SD992



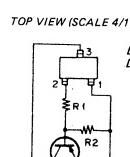
2SD1160



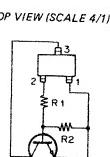
2SJ106G



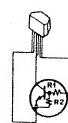
TOP VIEW (SCALE 4/1)
2SK909
2SK94



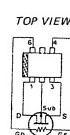
DTA114EK (R1=10K, R2=10K)
DTA144EK (R1=47K, R2=47K)



DTC114EK (R1=10K, R2=10K)
DTC144EK (R1=47K, R2=47K)



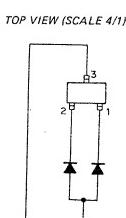
DTC144ES (R1=47K, R2=47K)



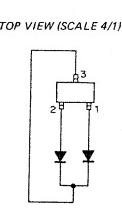
TOP VIEW
TX429M



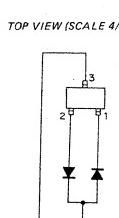
10E.1
10E.2
1SS119
ERB12-? ?
GP08 ?



1S2835
DAP202K
MA151/WA



1S2837
DAN202K
MA151/WK

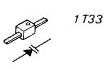


TOP VIEW (SCALE 4/1)
1SS123
DA204K
MA153

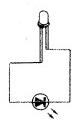


1SS99
ERB81-004

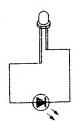
DIODE



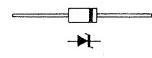
IT33



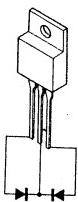
BR5505S : RED



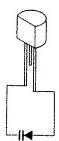
EBR3402S : RED



EQAO2- ? ? ?
RD ? ?EB ?
RD ? ?EL ?
RD ? ?ESB ?
RD ? ?FB ?



ESAC33-02CS



FC52M

TOP VIEW (SCALE 4/1) RD ? ?MB



SECTION 14 SCHEMATIC DIAGRAMS

In the schematic diagrams, the following marks are described nearby reference number.
These are parts data at factory.

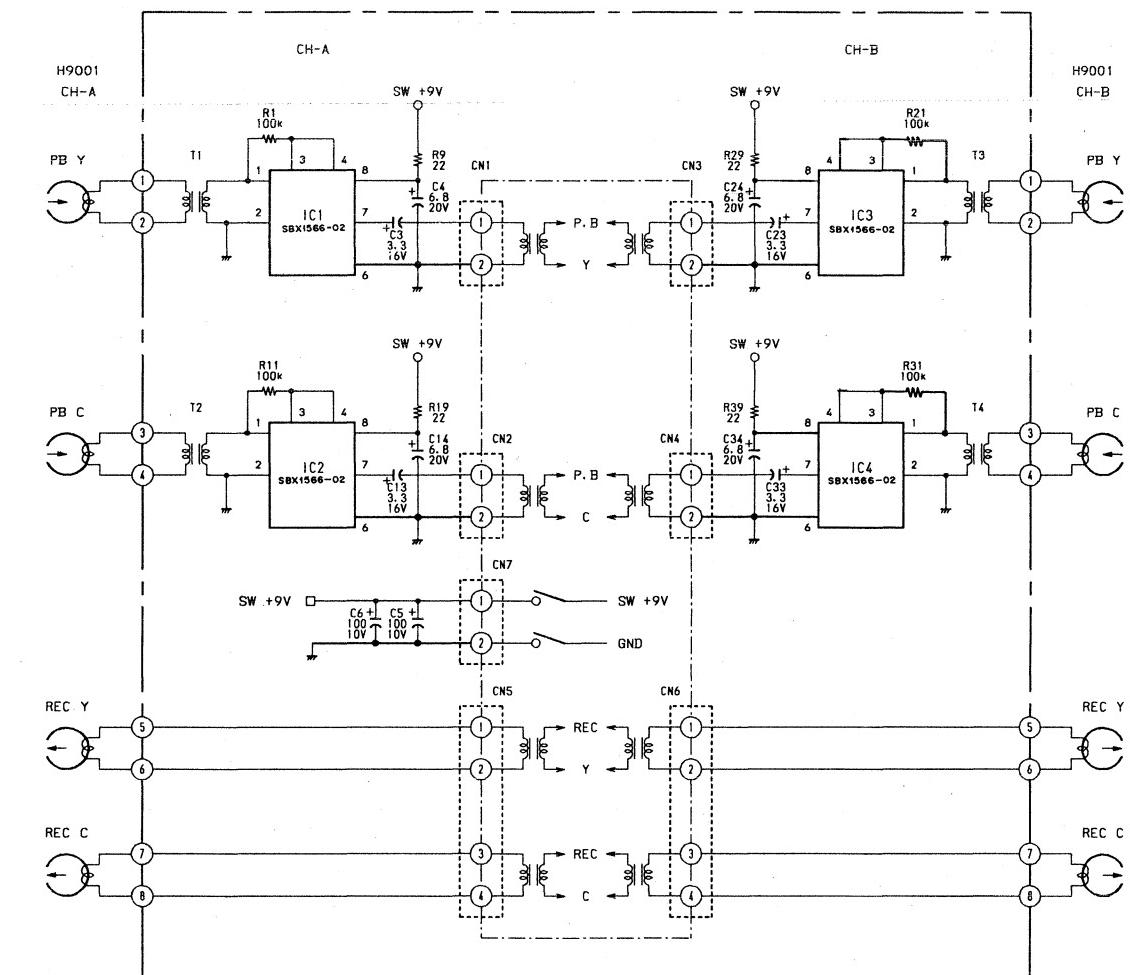
	CAPACITOR (C)	RESISTOR (R)	VARIABLE RESISTOR (RV)
AL	ELECTROLYTIC	RC	CARBON
AS		RD	
TA	TANTALUM	RF	FUSE
CA		RN	METAL
CC		RS	
CCS	CERAMIC	RW	WIREWOUND
CM			
CS			
MPS			
PP	MYLAR		
PS			
PT			
MD	DIPPED MICA		
MS	MICA		

The circuit information is provided below.

System	Board	Circuit function	System	Board	Circuit function
Video	BF-29	Video Input Level/Buffer	Audio	MA-28	Mic Amplifier
	DEC-49P	Y/C Separator/Decoder		MT-34	Meter Drive/Audio Level
	MDM-3P	Modulator/Demodulator		VR-64	PB Level
	DL-13	1H Delay Line for DOC		AU-93P	Audio REC/PB Amplifier
	DM-58A	Demodulator		AFM-3	FM Audio
	DO-19	DO Detector		AL-14	AGC/Limiter
	DUS-277	RF Switch		AR-12P	REC Amplifier
	EQ-14	COS Equalizer		CO-8	CONFI PB
	FL-66	Filter		DC-33	DUB Crosstalk Canceller
	EQ-14A	COS Equalizer		NR-19	Noise Reduction
	PA-60A	PB Amplifier		SG-137	REF Clock Generator
	RF-16A	RF AGC		VA-68	AGC
	RG-24	+5V Regulator		MS-22	Monitor Amplifier/Monitor Selector
	TG-31	Timing Generator		CP-114	XLR OUT Amplifier
	VA-54	Video Amplifier		VR-63	Phone Level
	VRA-1	Video REC Amplifier		HP-36	Headphones/Earphone
	CEC-3P	CTDM/Expander		CD-54	DC-DC Converter
	CF-29	Comb Filter		DD-17V	DC-DC Converter
	CL-15	Clamper for DL-15 OUT signals		MTS-2	CH-4 Monitor Switch
	CL-16	Clamper for DL-15 IN signals		ASW-7	Audio Front Switch
	DL-14	1H Delay Line	Servo	SV-94P	Servo System
	DL-15	1/2H, 1H Delay Line		SD-16P	Servo Driver
	DL-17	1H Delay Line for CF		DR-63	Drum Motor
System Control	ED-18	Edge Detector	Time Code	TC-45P	Time Code REC/PB Amplifier
	EQ-23	Delay Circuit		KY-110P	Function Key/Time Code
	LM-15	Limiter for Pre-phaser		SY-110	System Control
	LM-16	Limiter for REC 100% CTDM signal		CS-22	SP Cassette-in Switch
	NR-18	Noise Canceller for PB CTDM signal		DU-39	Eject Motor
	ENC-11P	Video Encoder/Y Processor		SW-24	Unthreading-end Switch
				SW-203	Miss REC/Cassette-in Switch
				SWC-3	Tension Regulator Switch
Power	BC-14	Battery	Other	BC-14	Battery
	BC-17	Battery		BC-17	DC-DC Converter
	DC-DC CONV			DC-35	DC IN/Diode
				PSW-8	Power Switch Control
				CN-185	CP Connection Board
Other	CON-12	BNC Connector		CON-12	BNC Connector
	DS-23	Dew Connection Board		DS-23	Dew Connection Board
	EX-150	Extension Board		EX-150	Extension Board
	MB-157	Mother Board		MB-157	Mother Board
	DE-19	Level Detector		DE-19	Level Detector
	PA-67P	RF REC/PB Amplifier		PA-67P	RF REC/PB Amplifier
	RM-54	9P Remote Control		RM-54	9P Remote Control
	RMD-1	RF Modulator		RMD-1	RF Modulator
	SR-41	Slip-ring		SR-41	Slip-ring

PA-67P

PA-67P; RF REC/PB AMPLIFIER



PA-67P
BVW-35P

14-3

14-4

A

B

C

D

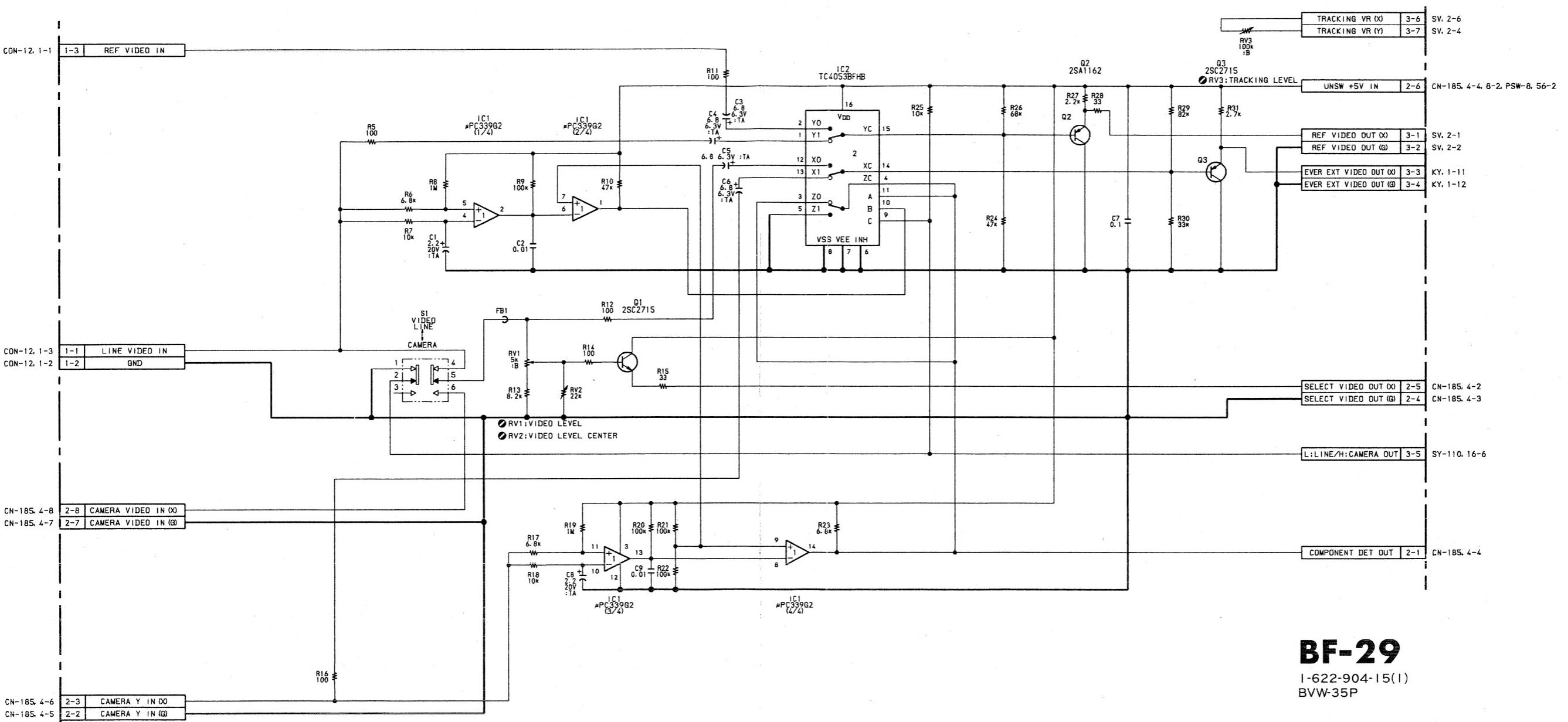
E

F

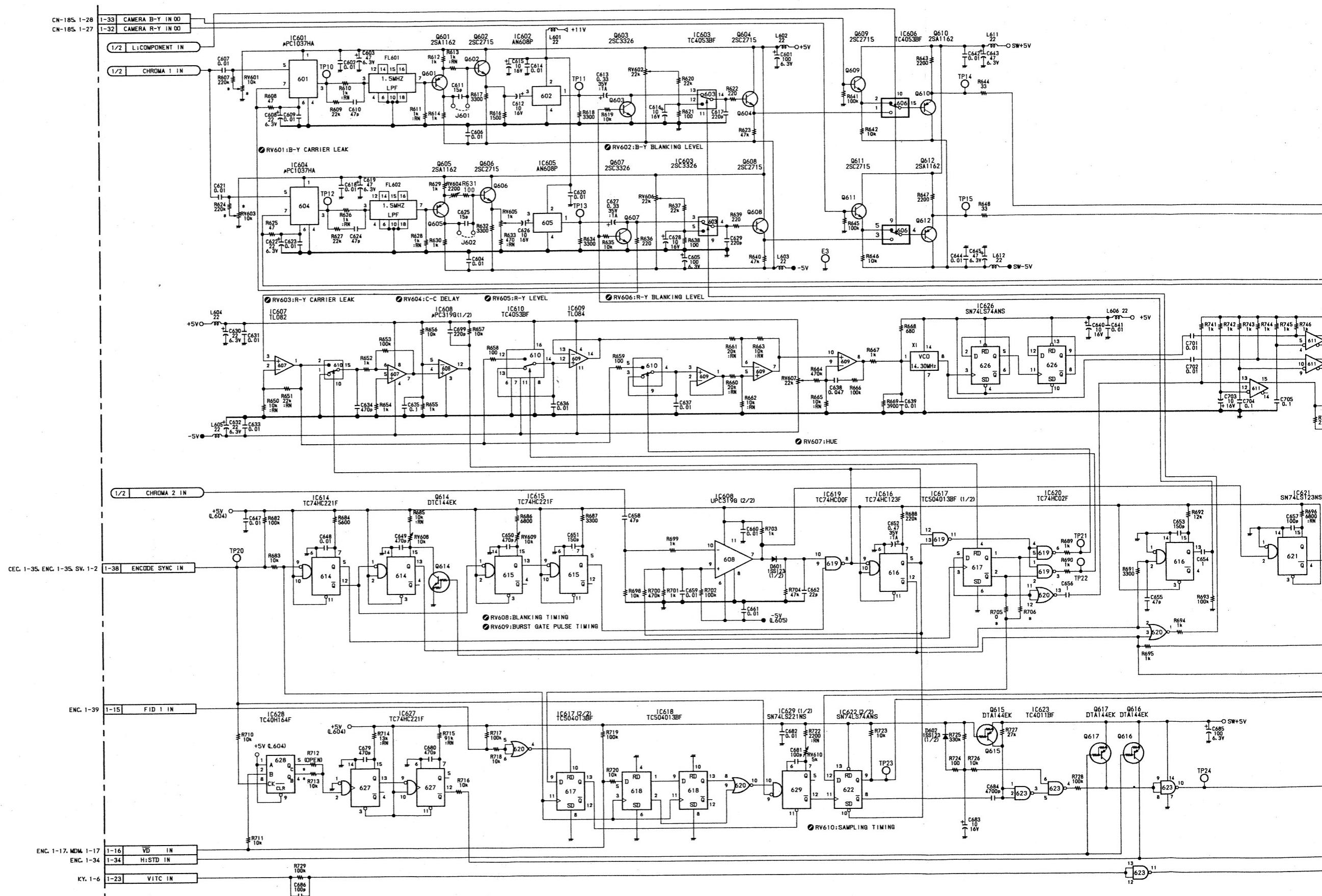
G

H

BF-29; VIDEO INPUT LEVEL/BUFFER

**BF-29**I-622-904-15(1)
BVW-35P

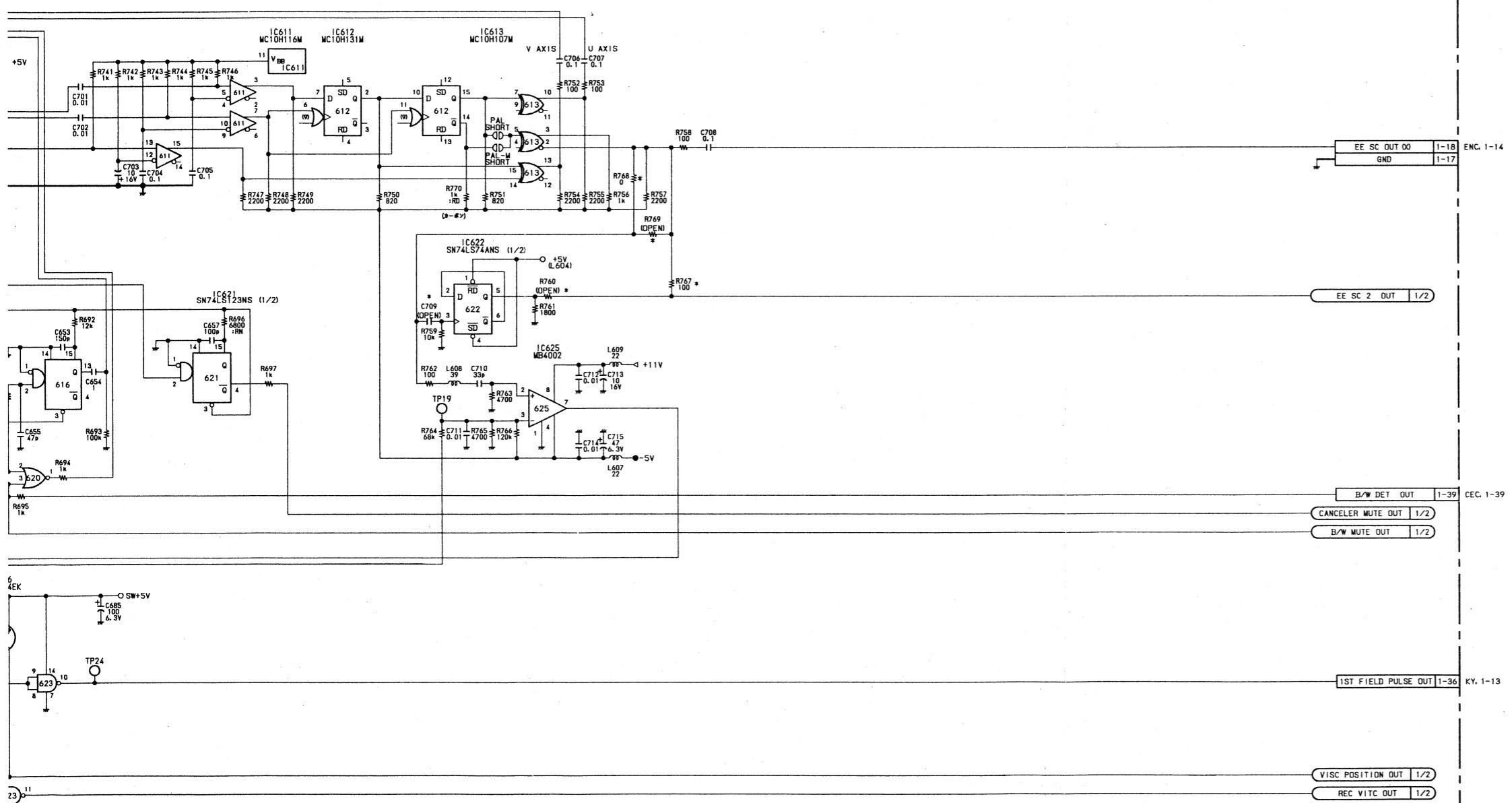
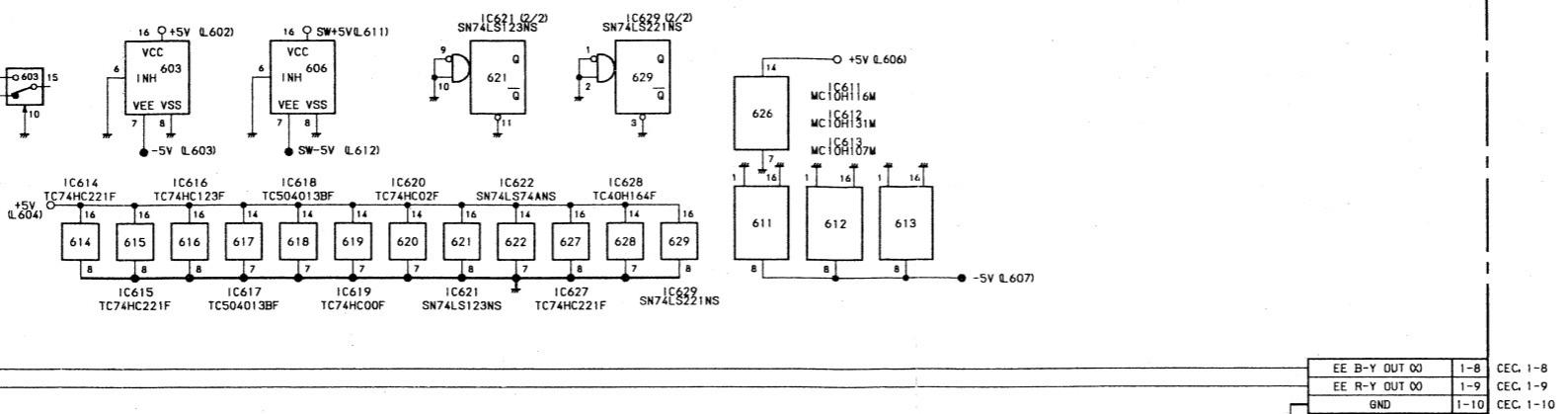
DFC-49P(2/2); Y/C SEPARATOR/DECODER



DEC-49(2/2)

*** MOUNT SELECT PARTS**

PEF. No.	PAL-M	PAL
C709	OPEN	0.1
R712	OPEN	10K
R760	OPEN	2200
R607	220K	OPEN
R624	220K	OPEN
R713	10K	OPEN
R705	0	OPEN
R706	OPEN	0
R767	100	OPEN
R768	0	0
R769	OPEN	OPEN
R770	1K: RN	OPEN
RV601	10K	OPEN
RV603	10K	OPEN

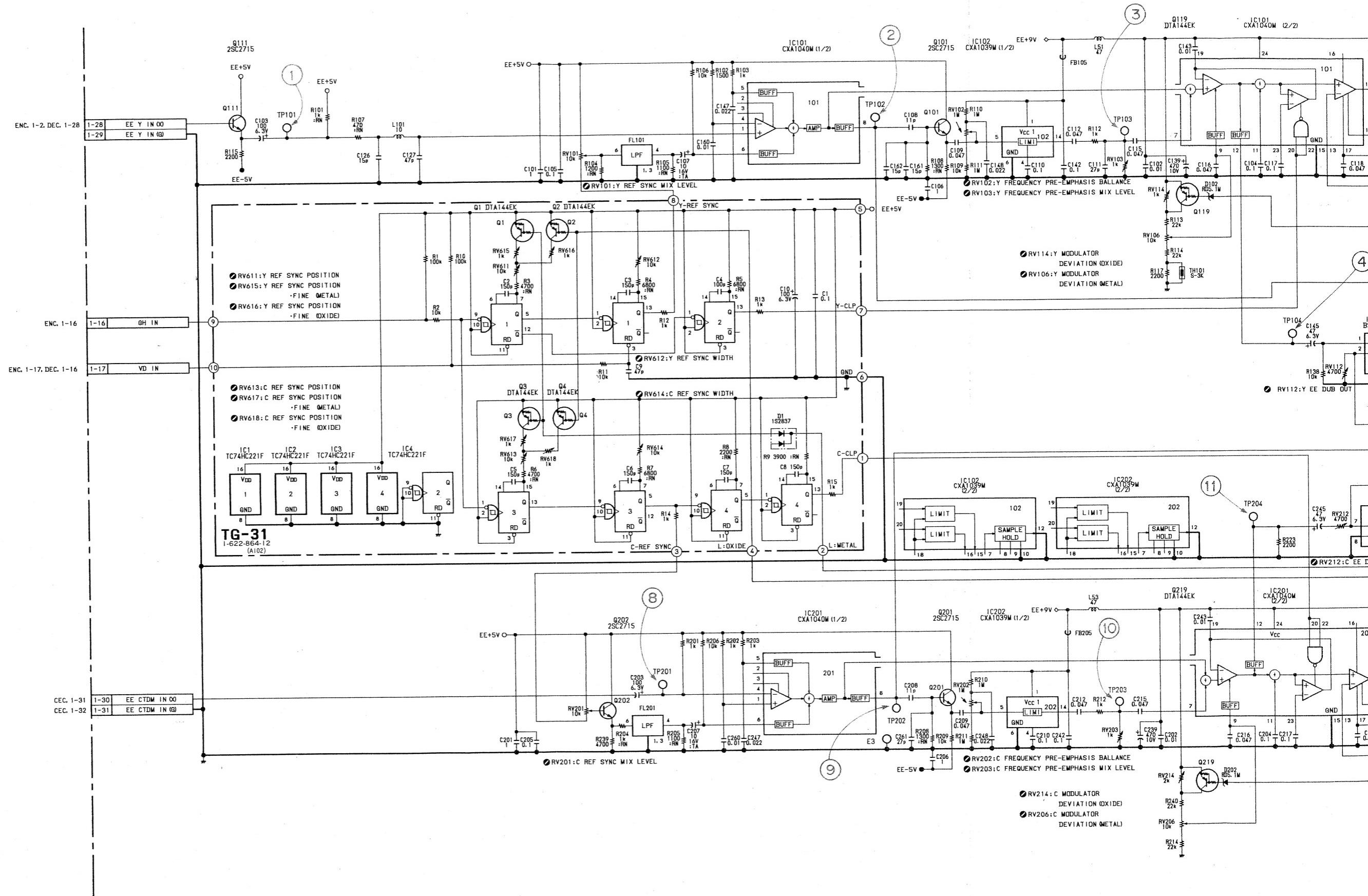


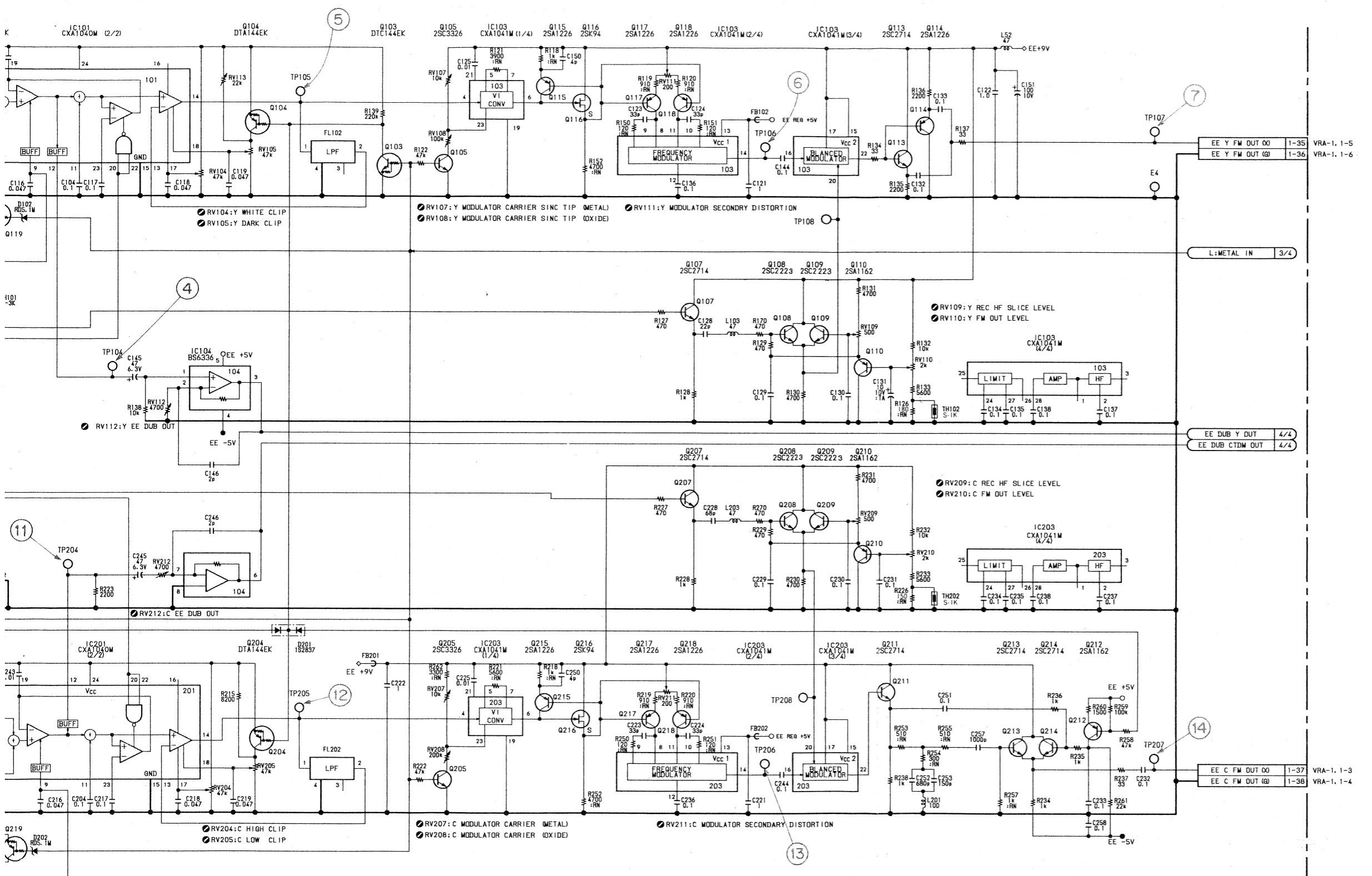
DEC-49P/PM(2/2)

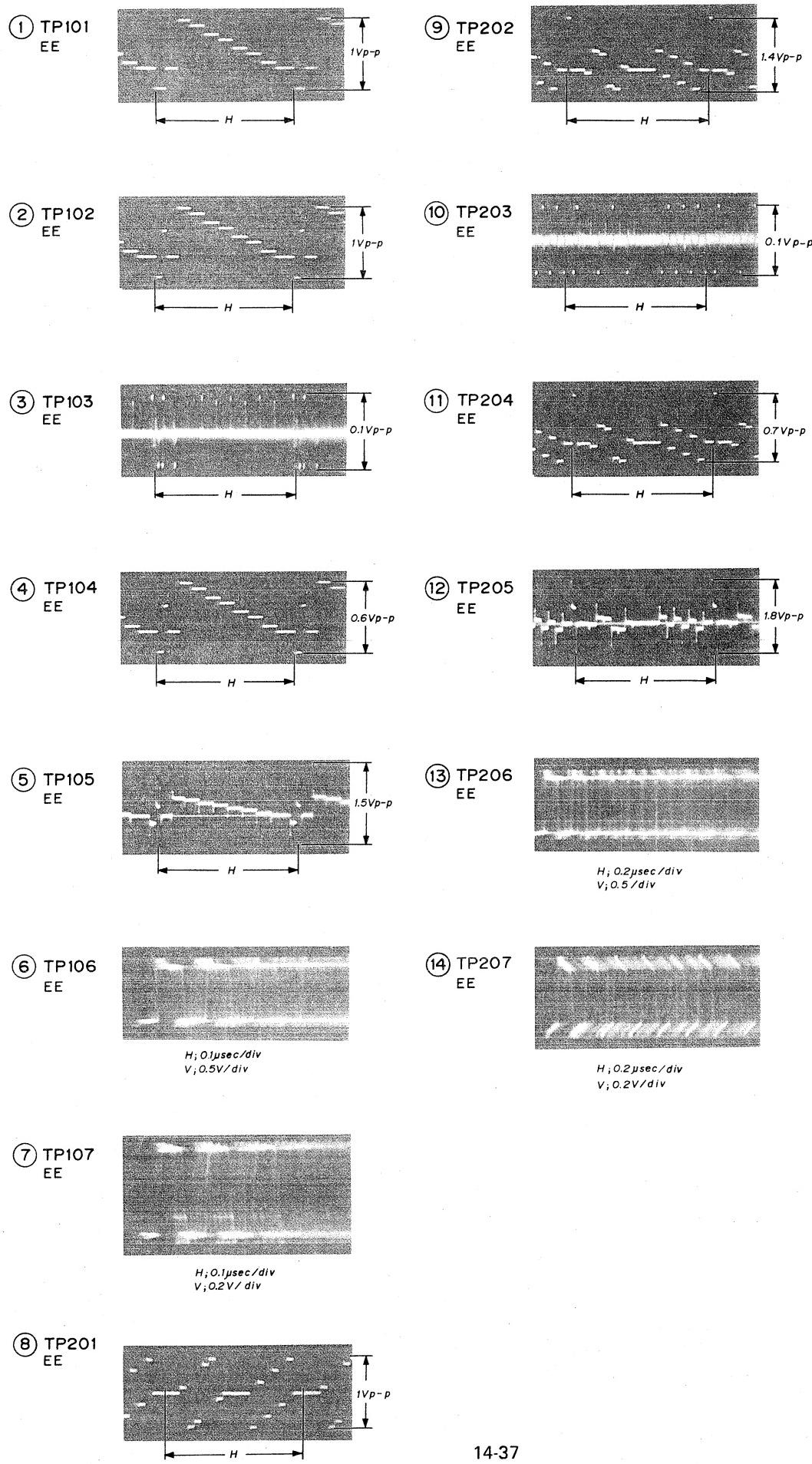
I-629-800-11(1)
BVW-35P
BVW-35PM

MDM-3P(1/4); MODULATOR/DEMODULATOR

TG-31; TIMING GENERATOR



**MDM-3P(1/4)**I-622-858-16(1)
BVW-35P



I MDM-3P(2/4); MODULATOR/DEMODULATOR

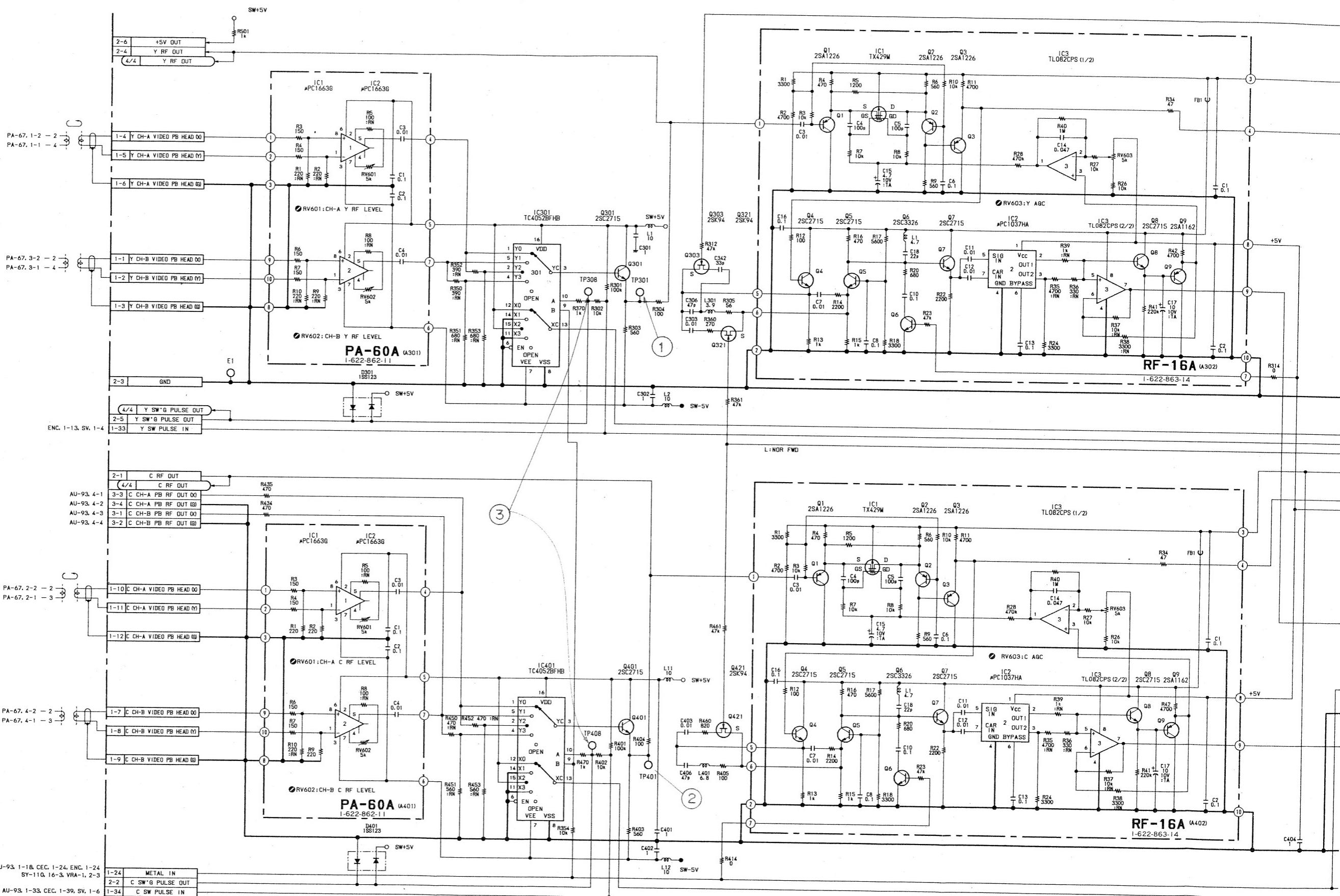
DO-19; DO DETECTOR

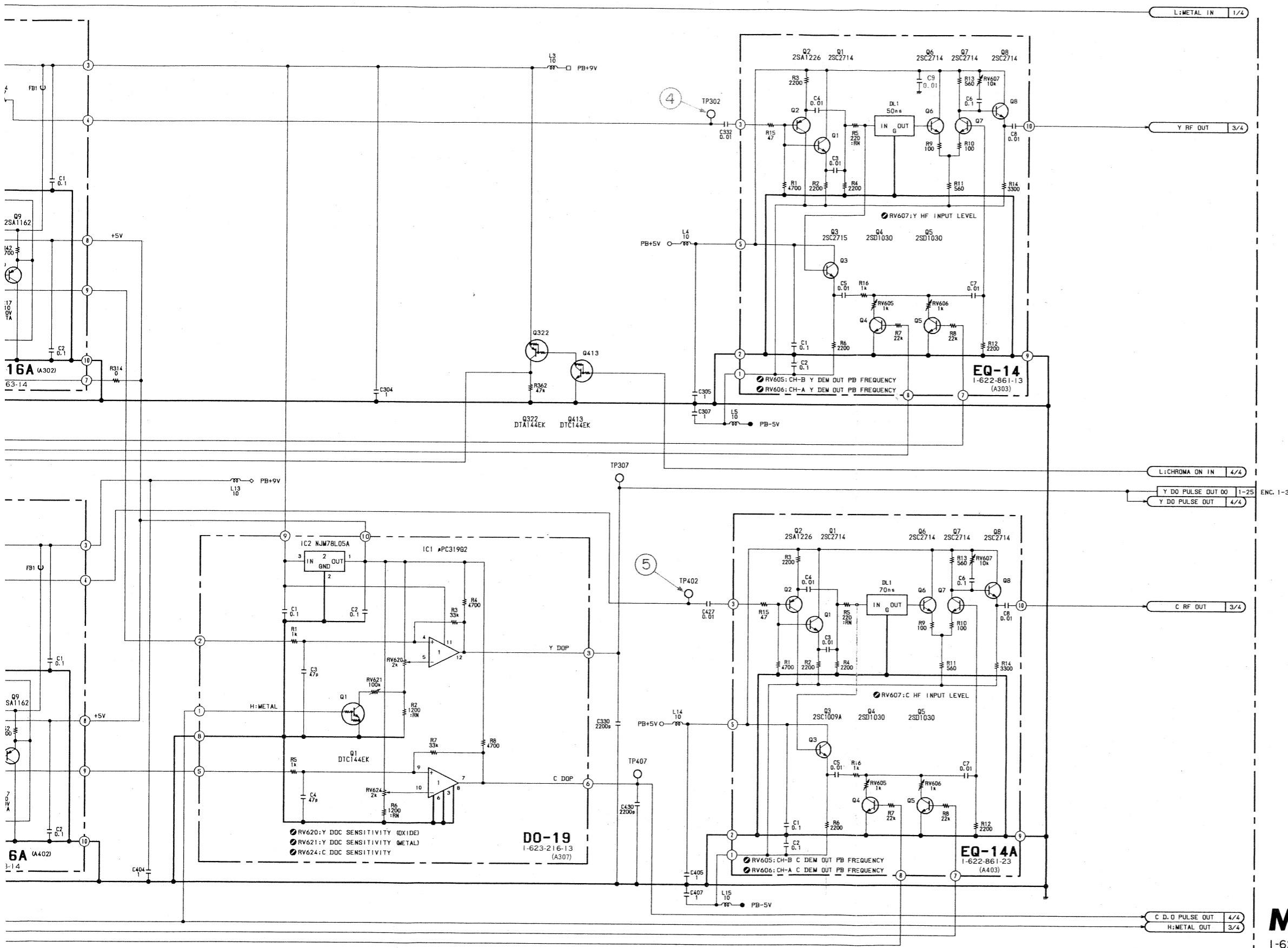
EQ-14; COS EQUALIZER

EQ-14A; COS EQUALIZER

PA-60A; PB AMPLIFIER

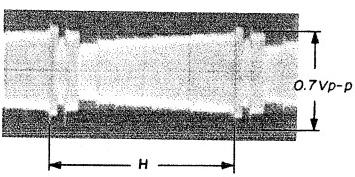
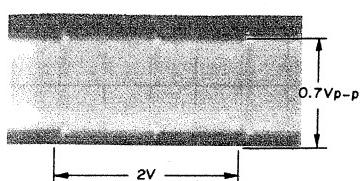
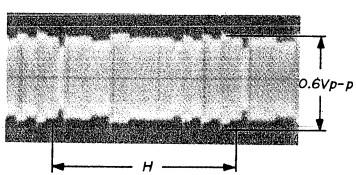
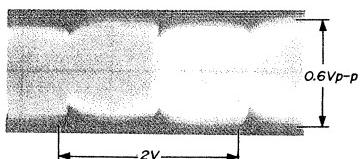
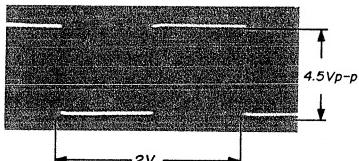
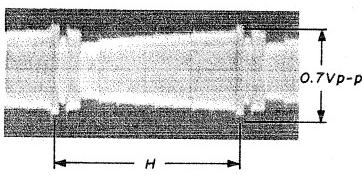
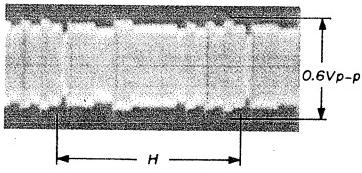
RF-16A; RF AGC





MDM-3P(2/4)

I-622-858-16(1)
BVW-35P

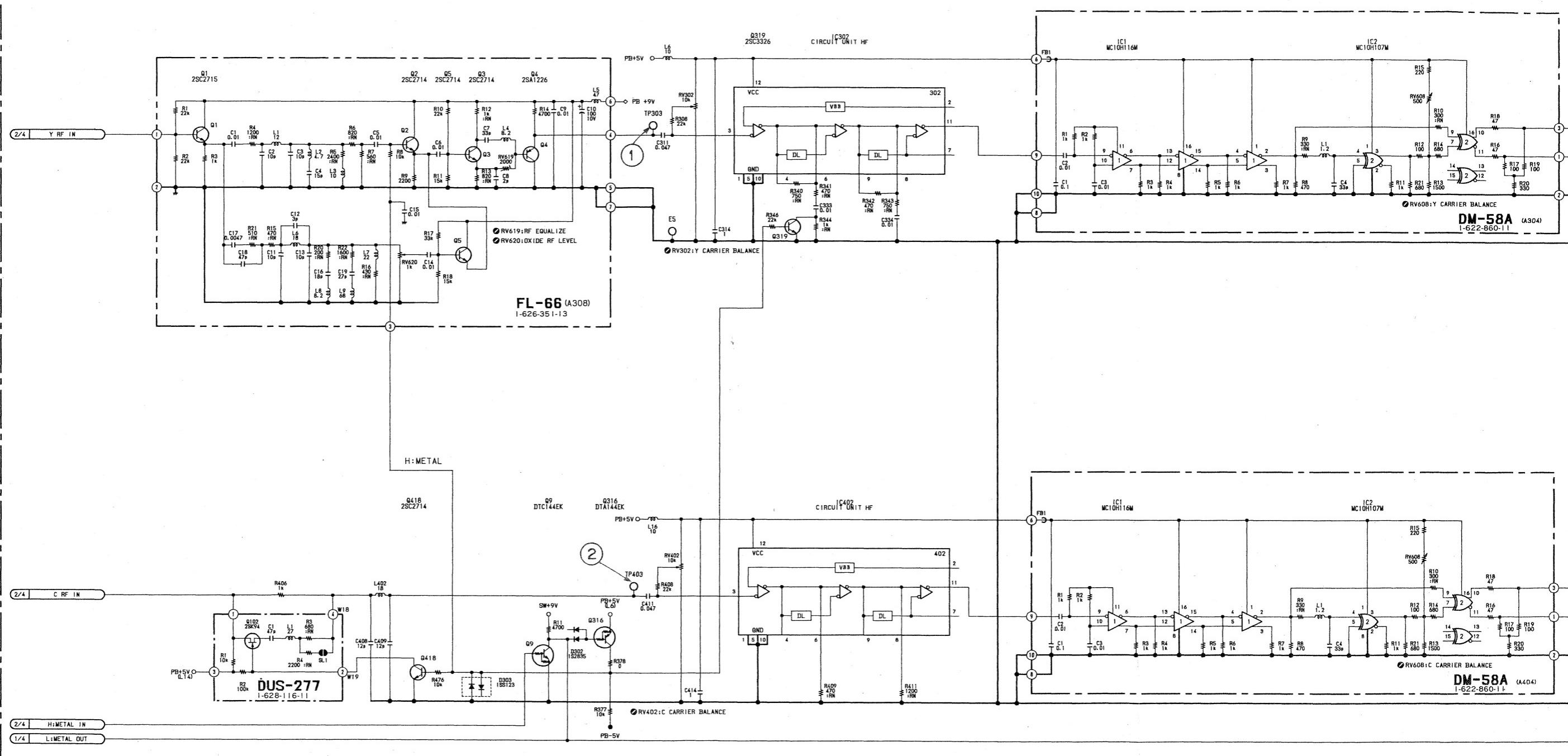
(1) TP301
PB(2) TP401
PB(3) TP308
TP408
PB(4) TP302
PB(5) TP402
PB

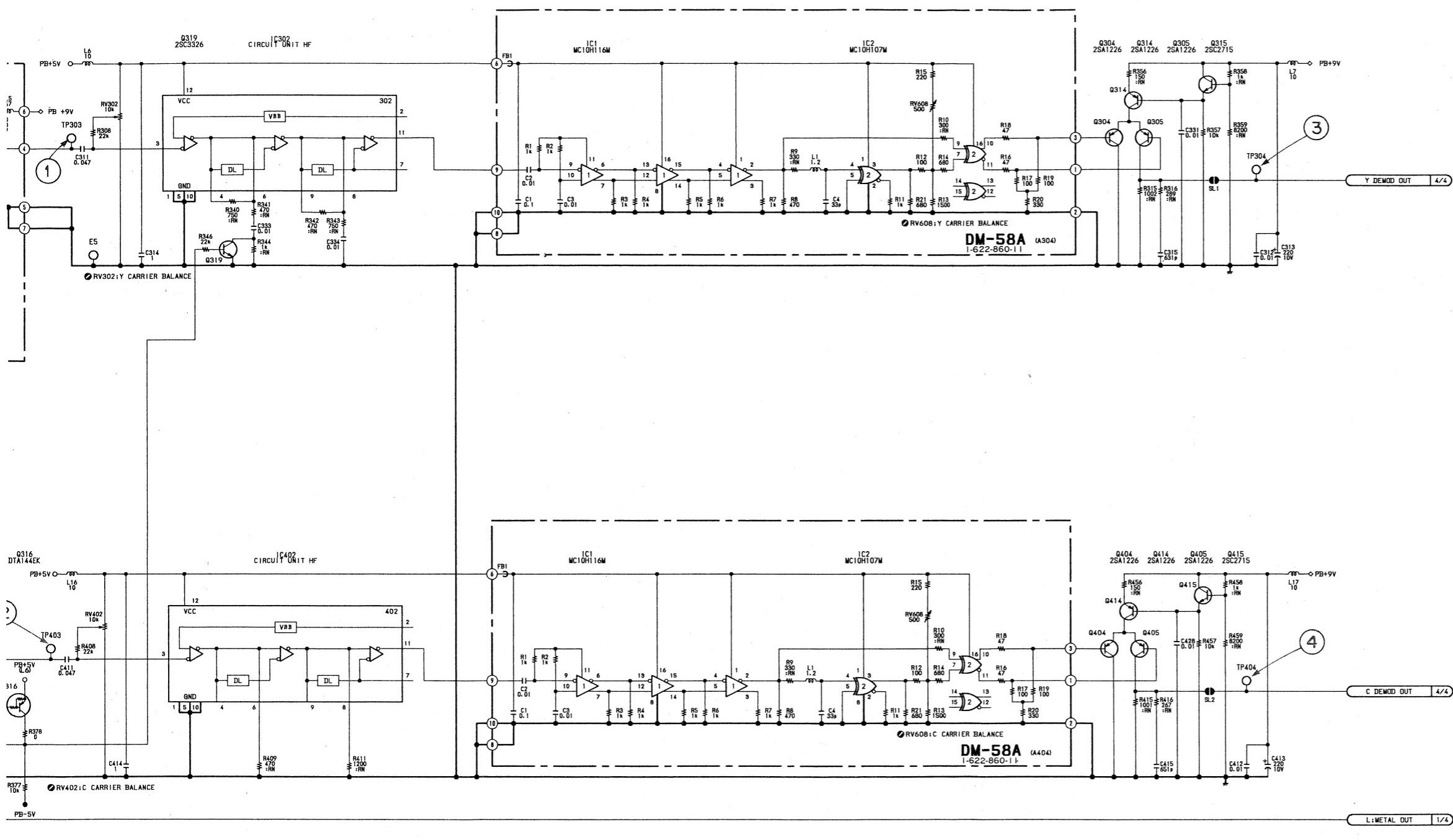
MDM-3P(3/4); MODULATOR/DEMODULATOR

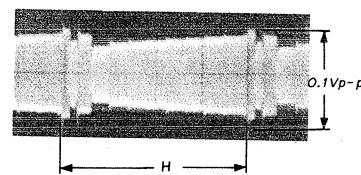
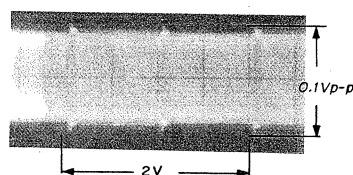
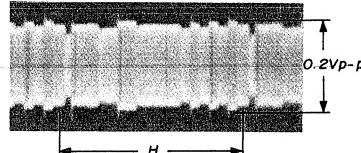
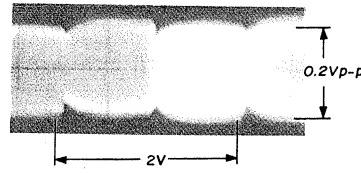
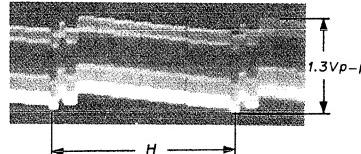
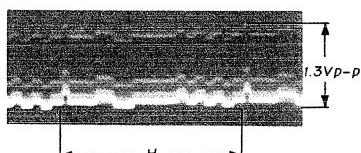
DM-58A; DEMODULATOR

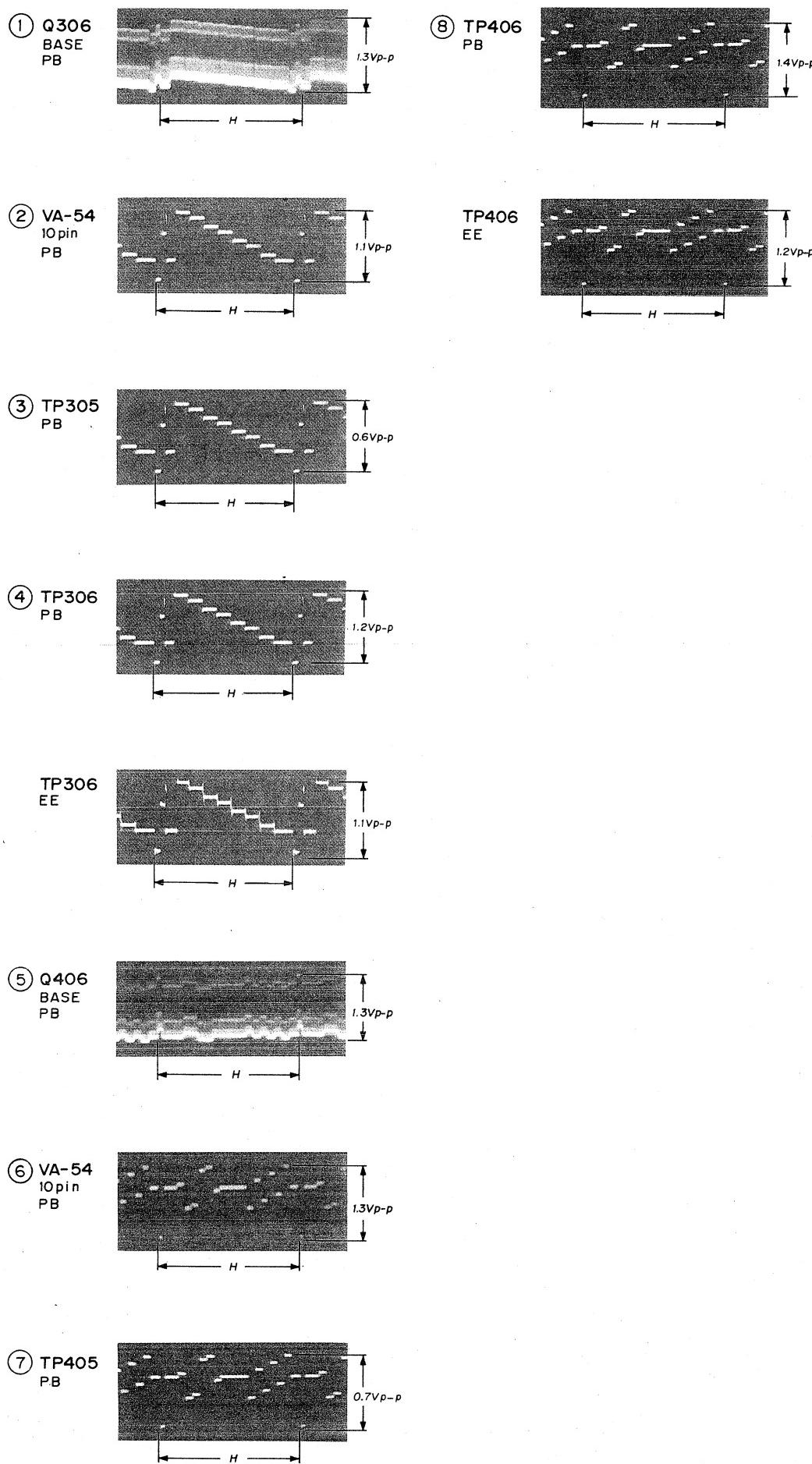
DUS-277; RF SWITCH

FL-66; FILTER





(1) TP303
PB(2) TP403
PB(3) TP304
PB(4) TP404
PB

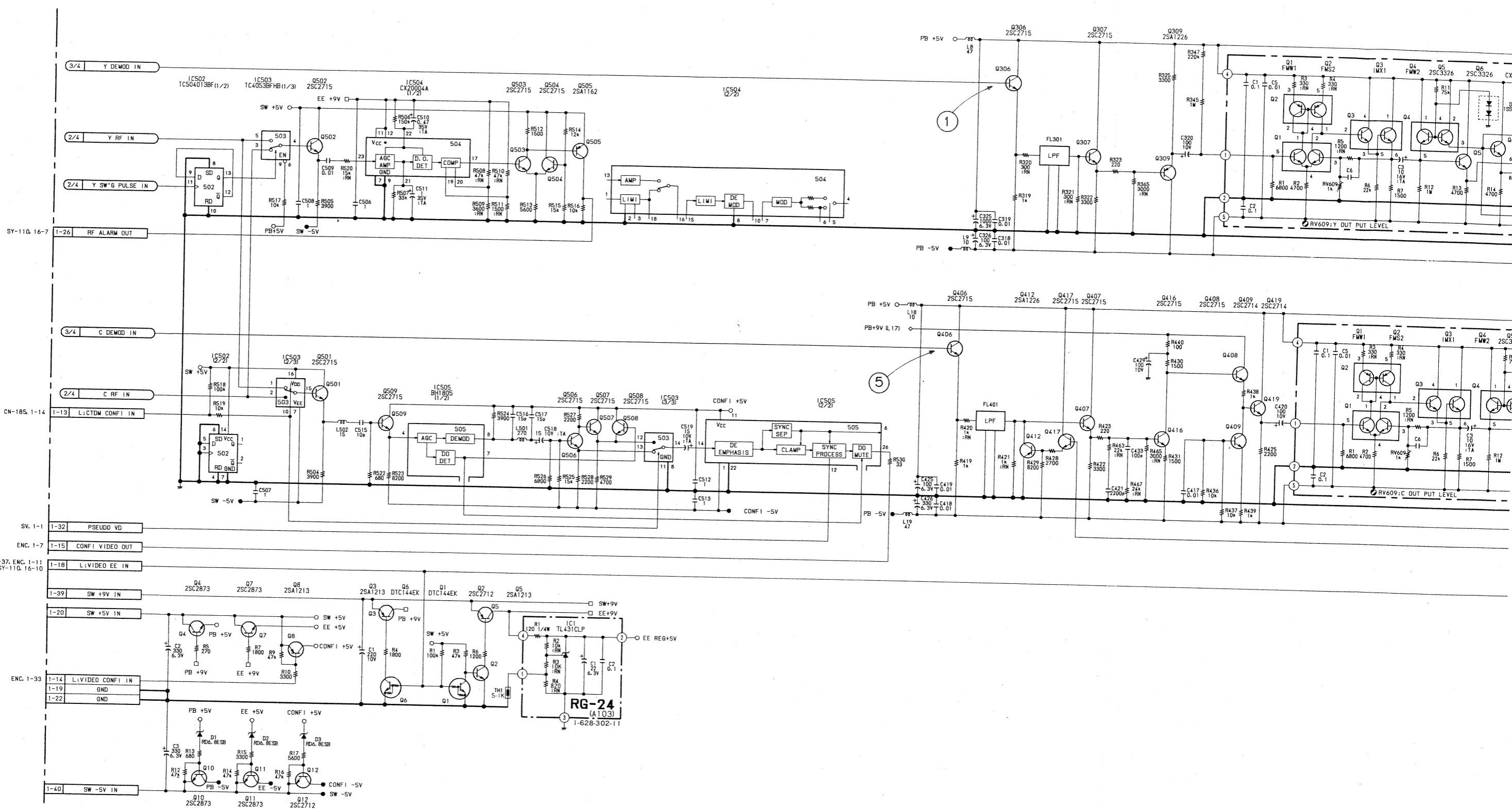


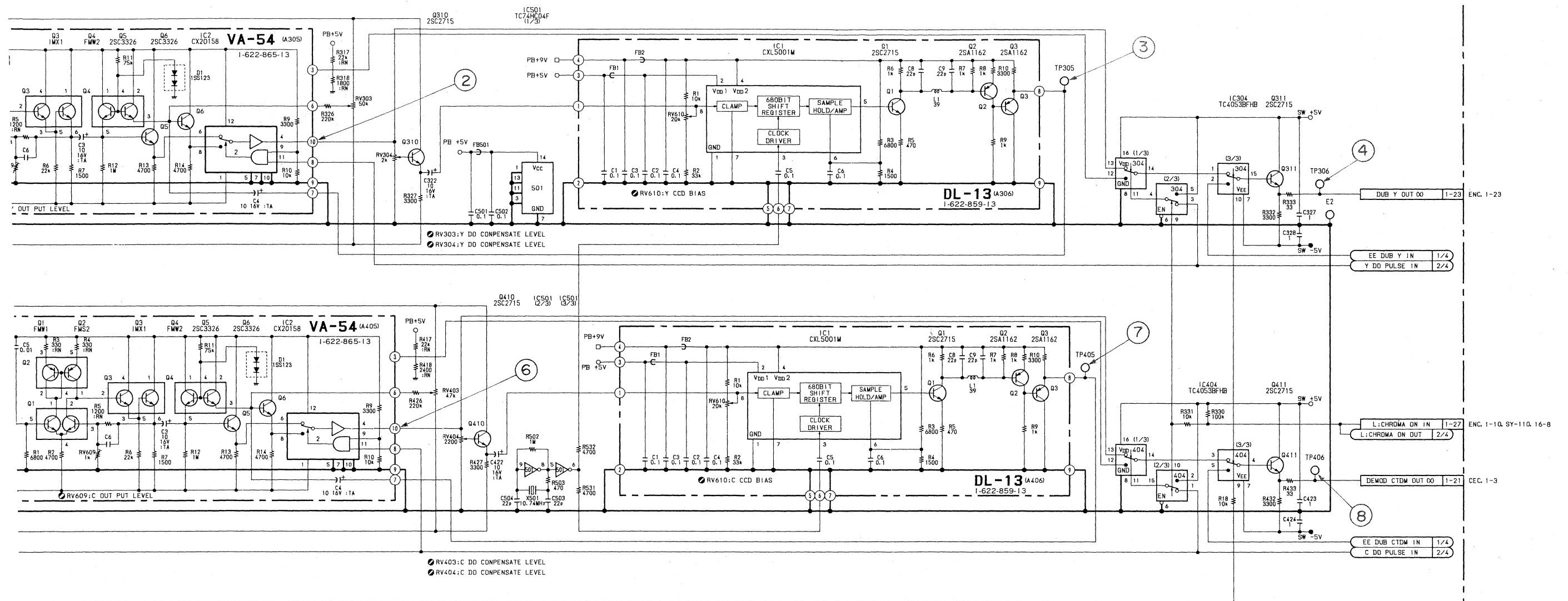
DM-3P(4/4); MODULATOR/DEMODULATOR

DL-13; 1H DELAY LINE FOR DOC

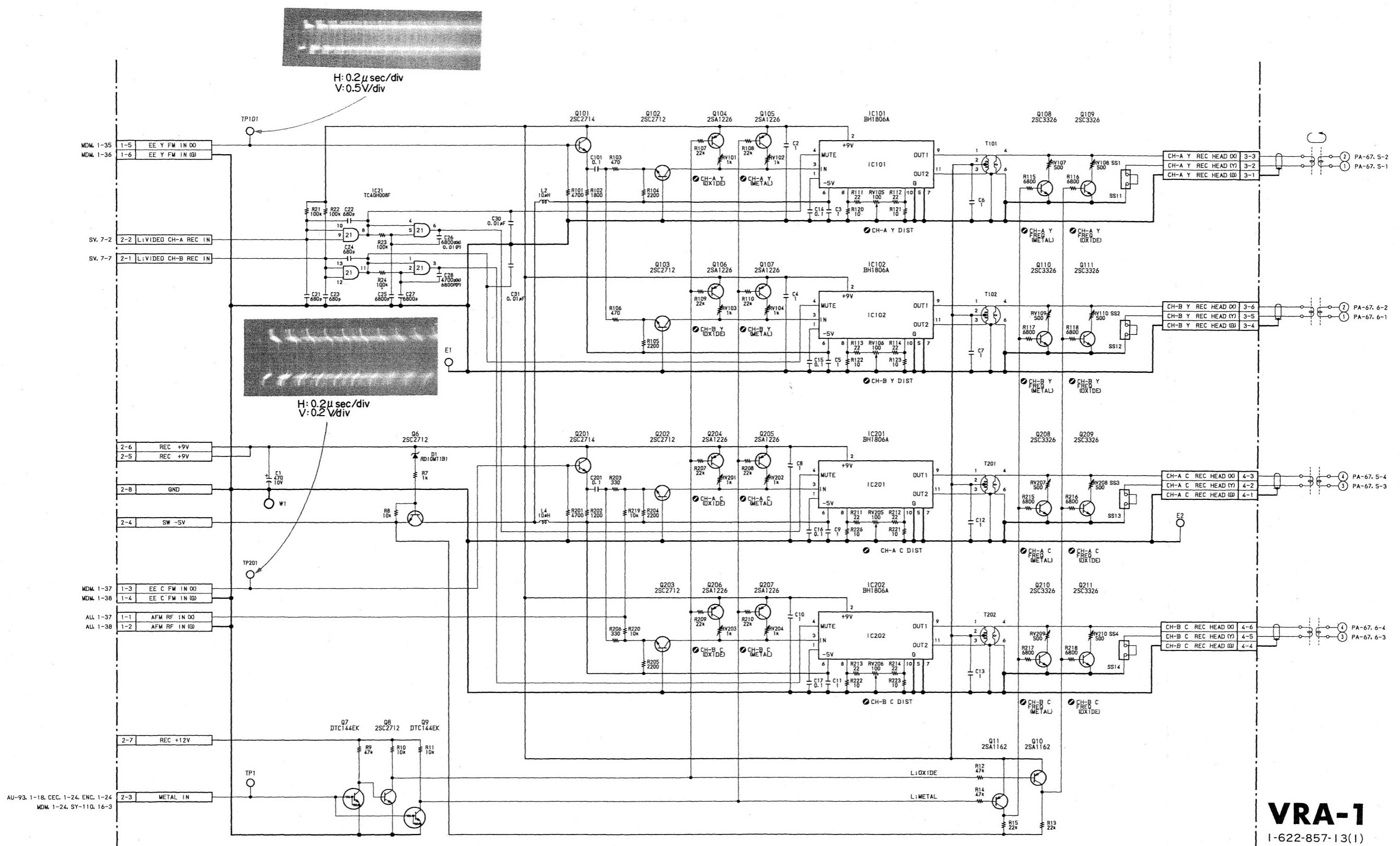
RG-24; +5V REGULATOR

VA-54; VIDEO AMPLIFIER

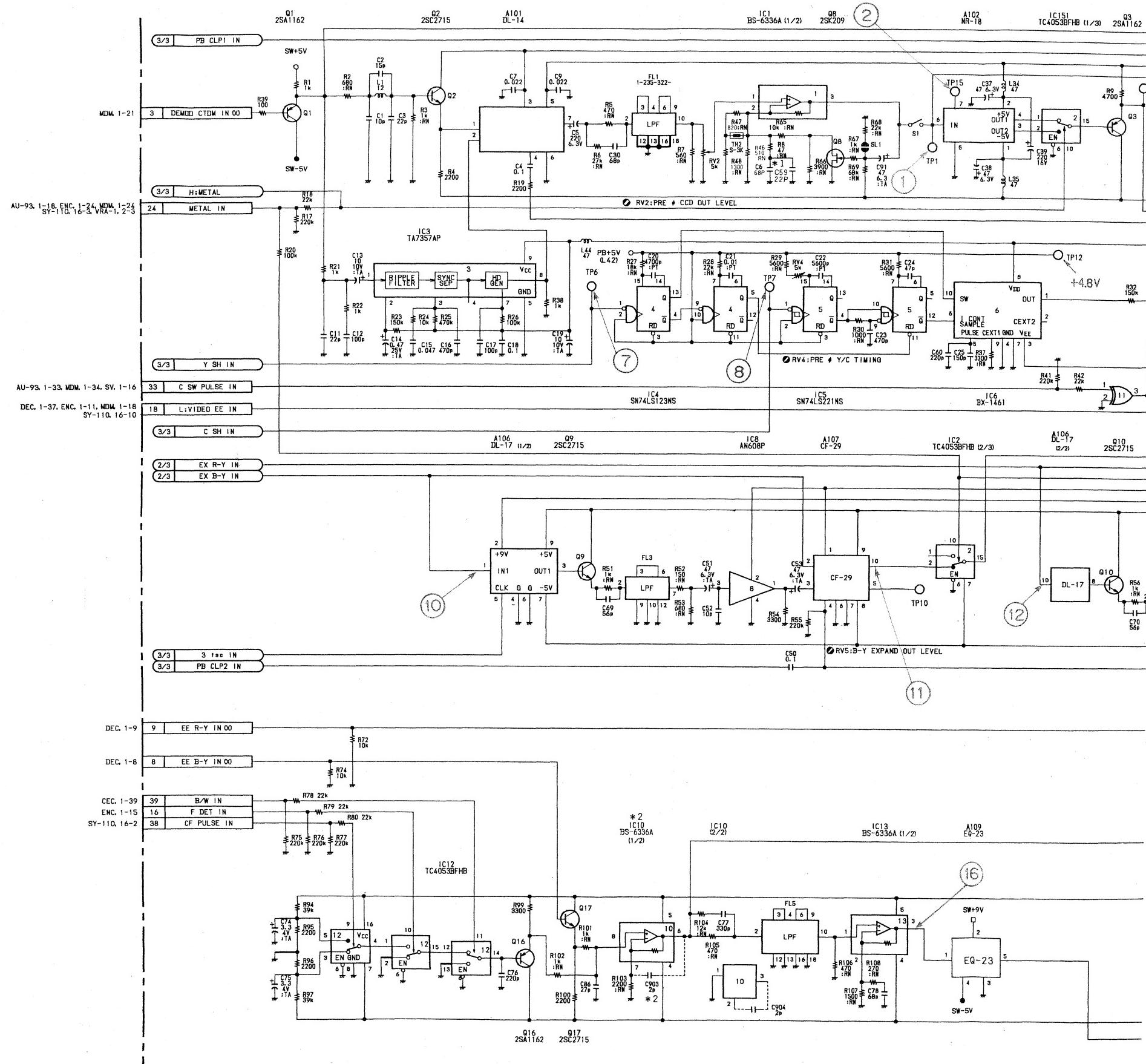
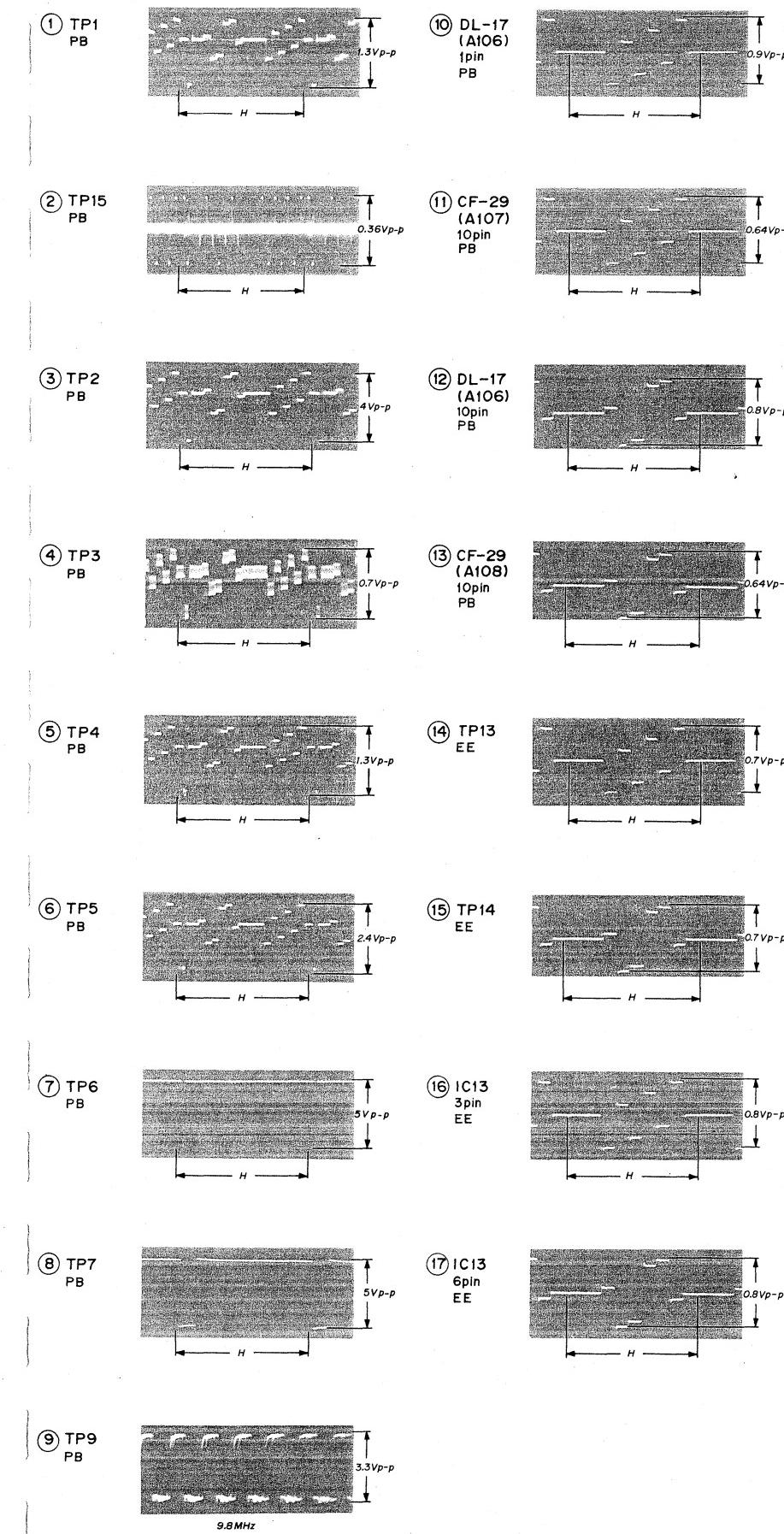


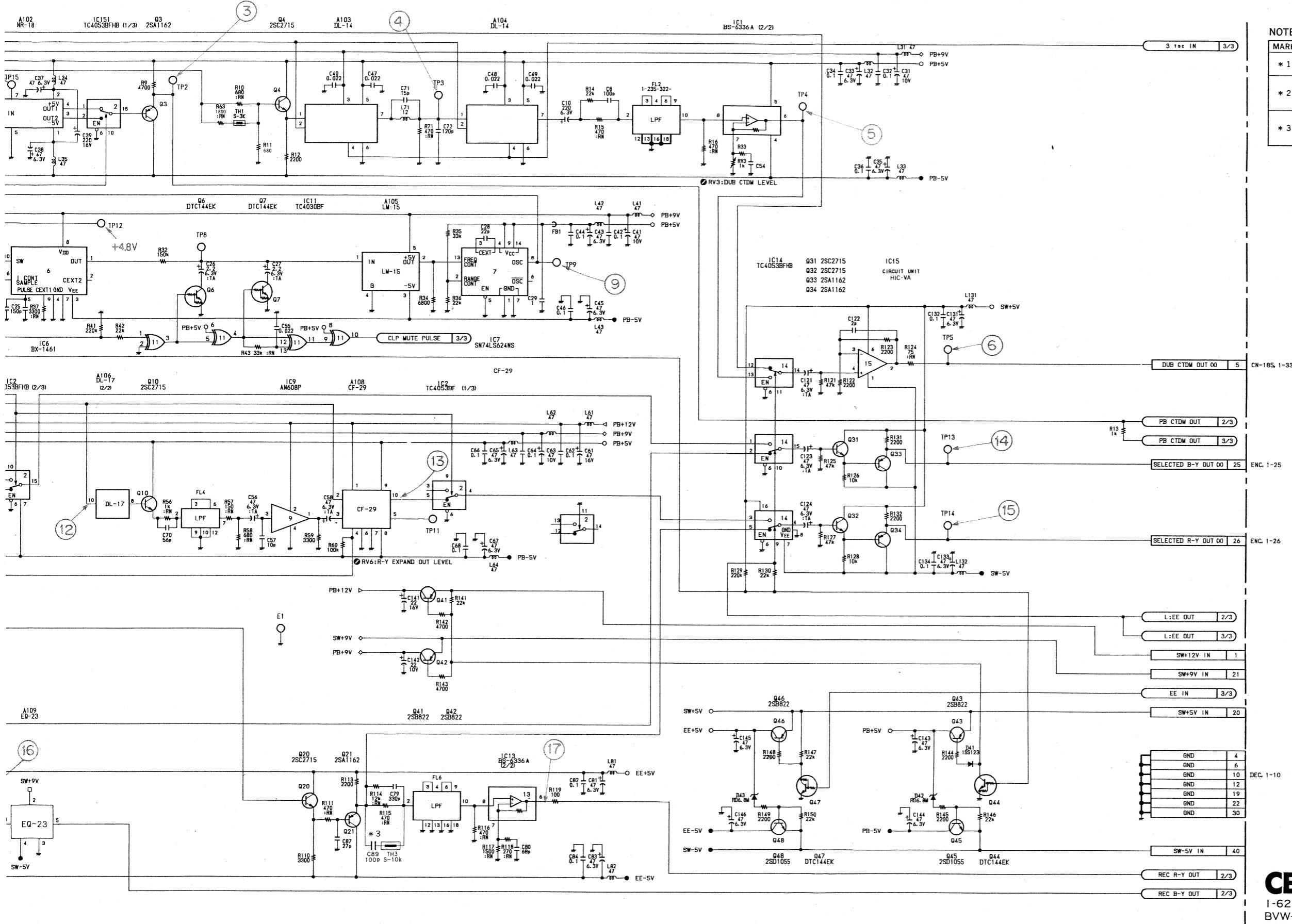
**MDM-3P(4/4)**I-622-858-16(1)
BVW-35P

VRA-1; VIDEO REC AMPLIFIER

**VRA-1**I-622-857-13(1)
BVW-35P

CEC-3P(1/3); CTDM/EXPANDER



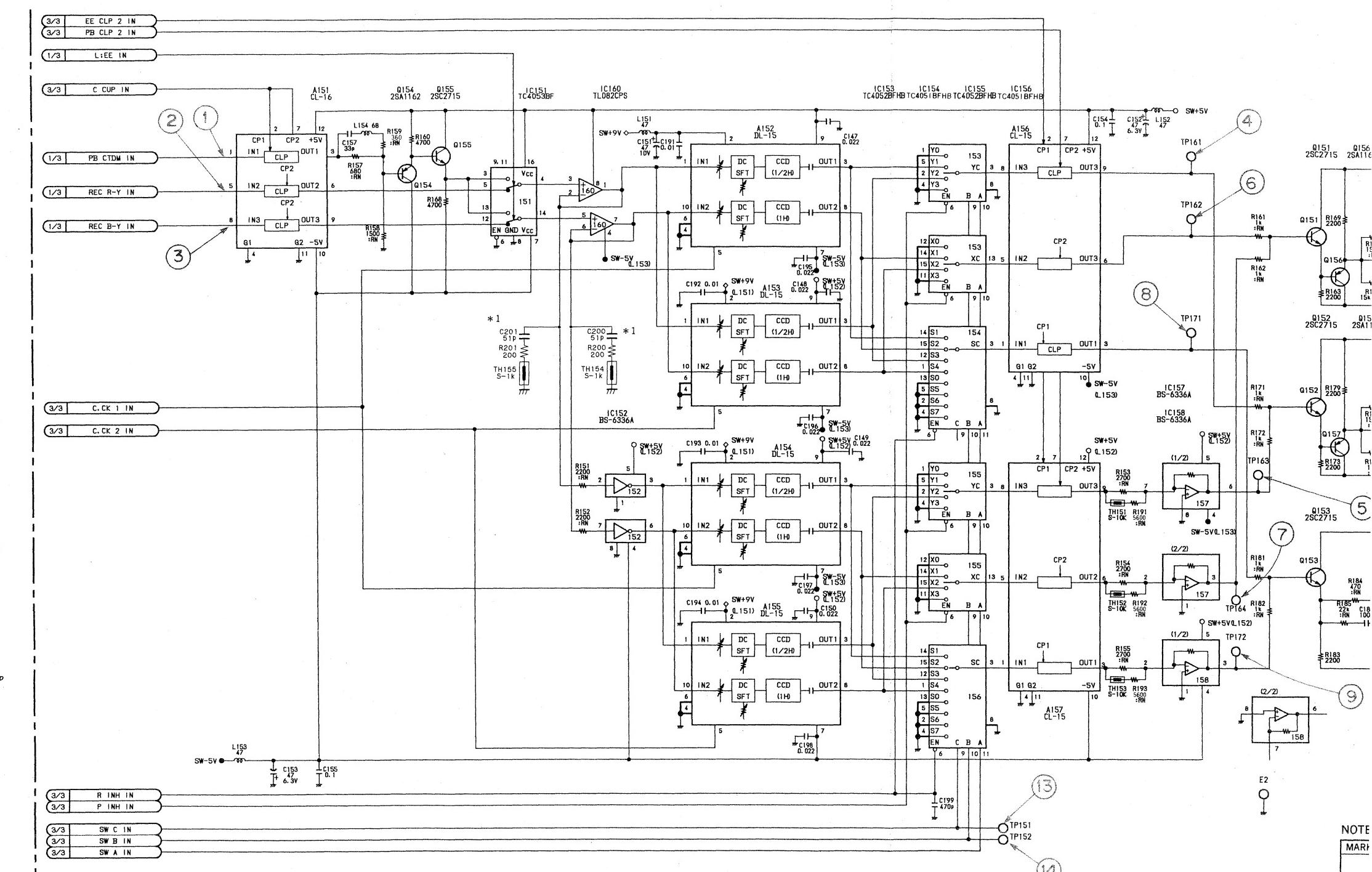
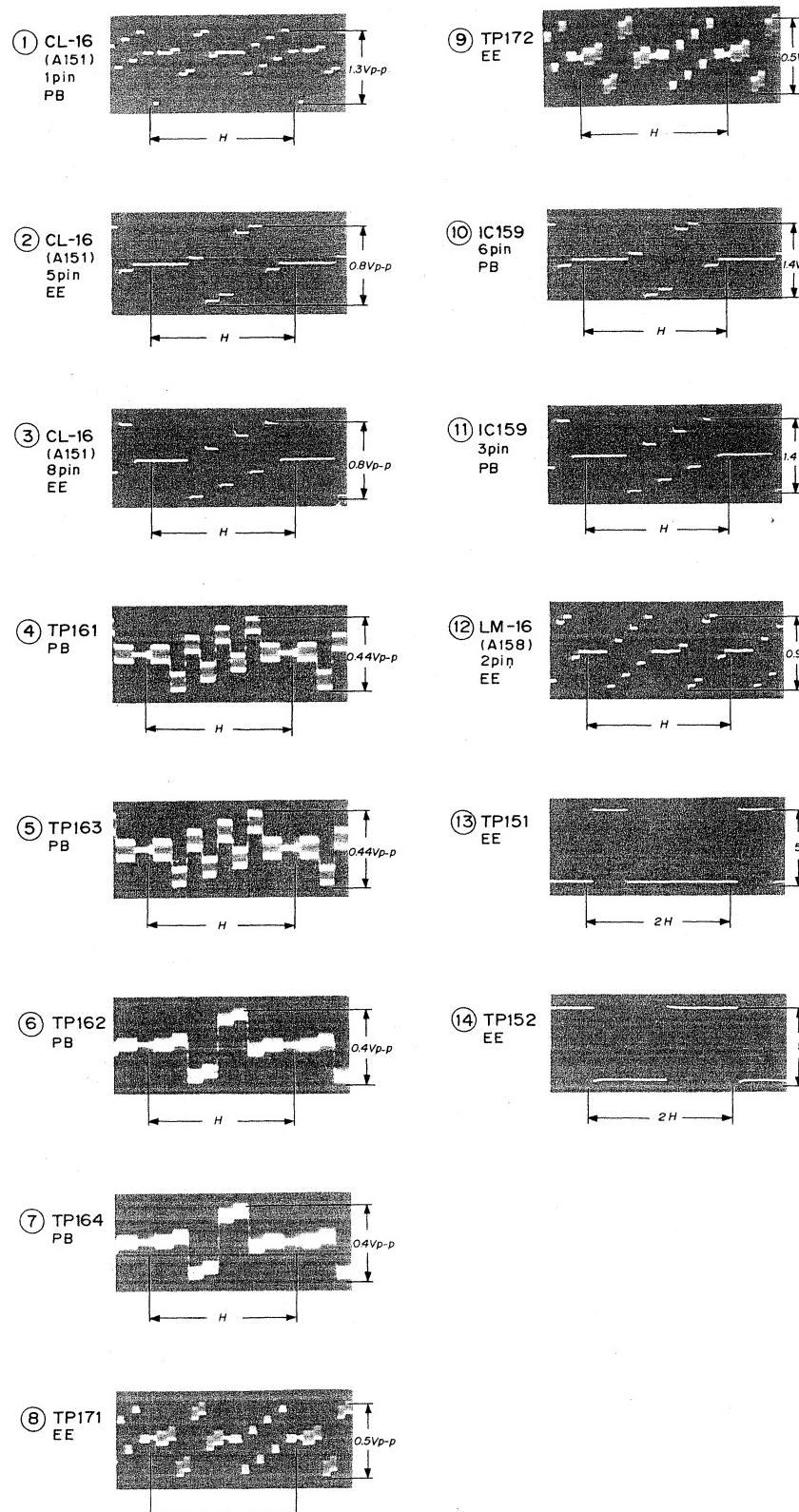


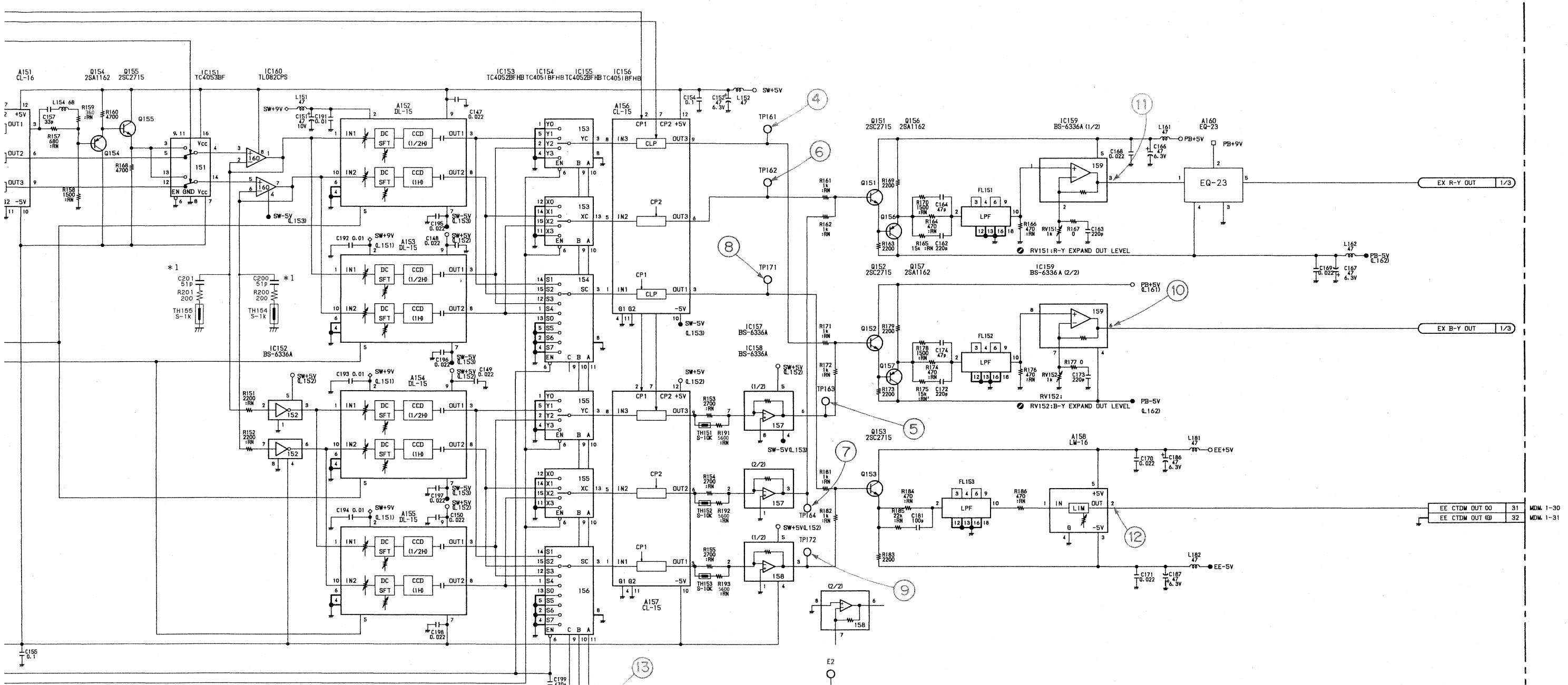
NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	2-G	C59 CHANGED 10P → 22P	EK; 11969-
* 2	5-G	C903 DELETED IC10 CHANGED BS-6336 → BS-6336A	EK; 12049-
* 3	5-J	ADDED C89 100P TH3 S-10K	EK; 12283-

CEC-3P(1/3)
I-622-867-15(3)
BVW-35P

CEP-3P (2/3); CTDM/EXPANDER





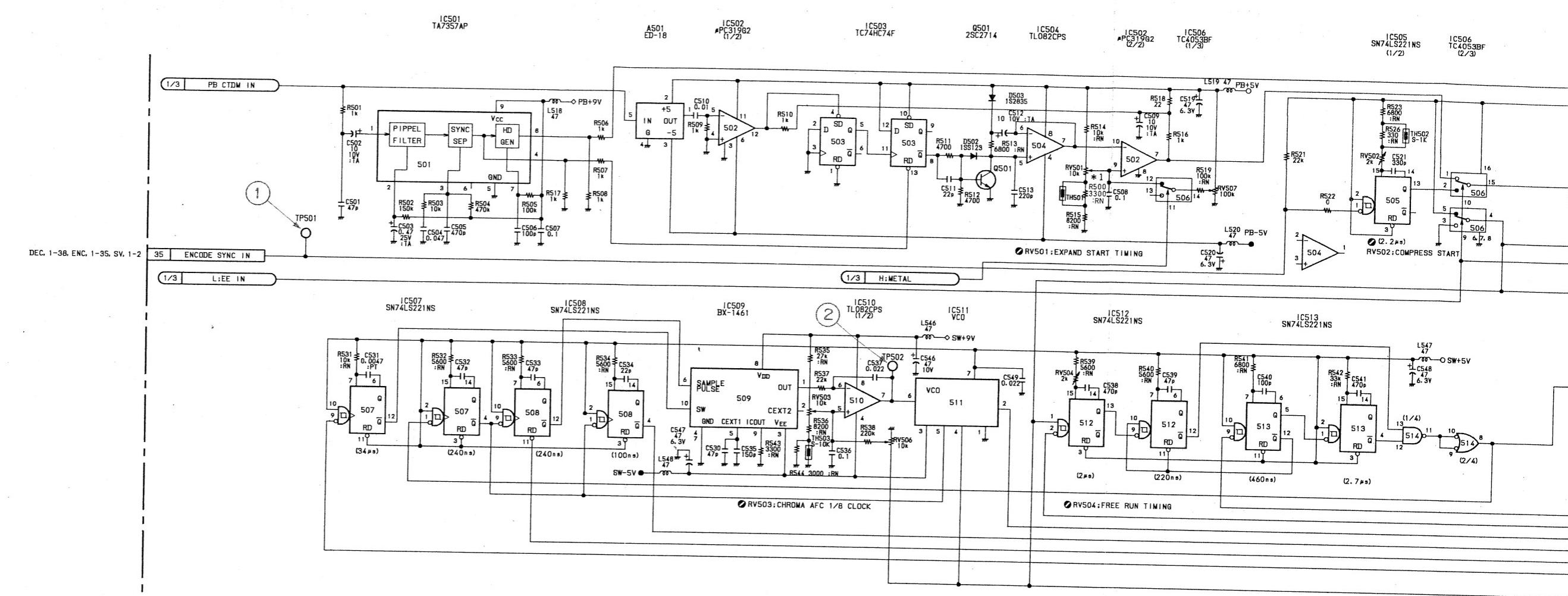
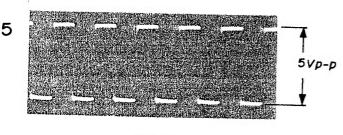
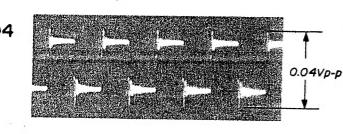
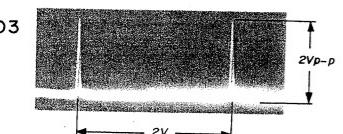
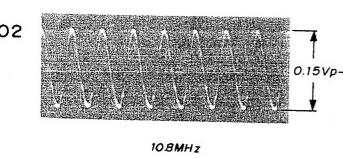
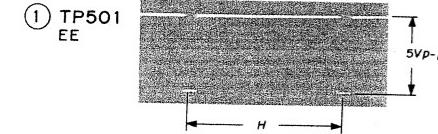
CEC-3P(2/3)

I-622-867-15(1)
BVW-35P

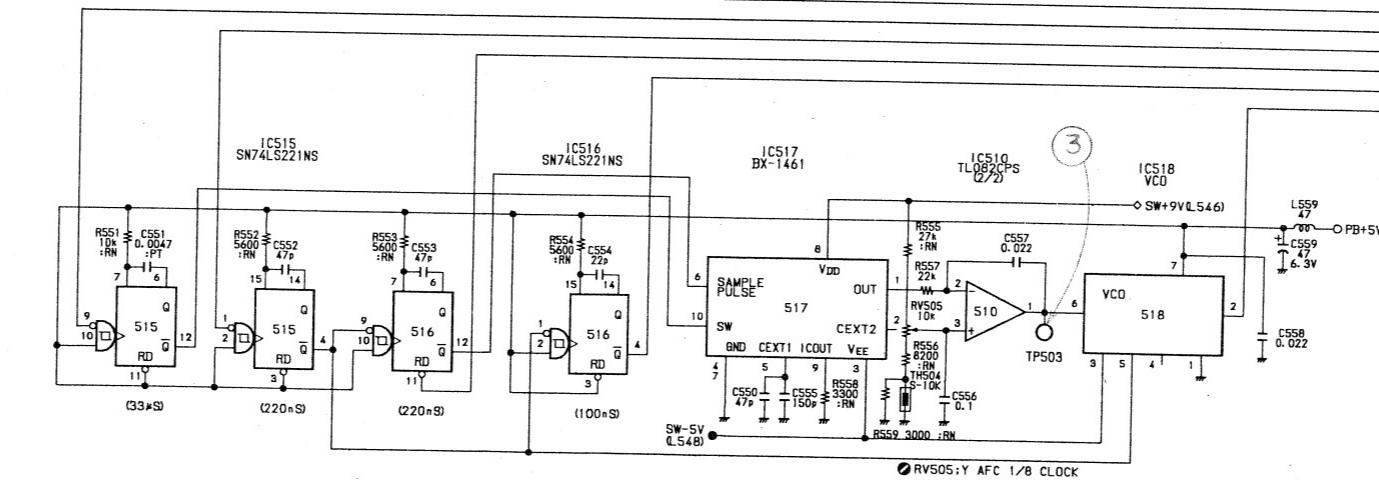
NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	2-F	ADDED C200, C201 51P R200, R201 200 TH154, TH155 S-1K	EK; 12283

CEC-3P(3/3); CTDM/EXPANDER



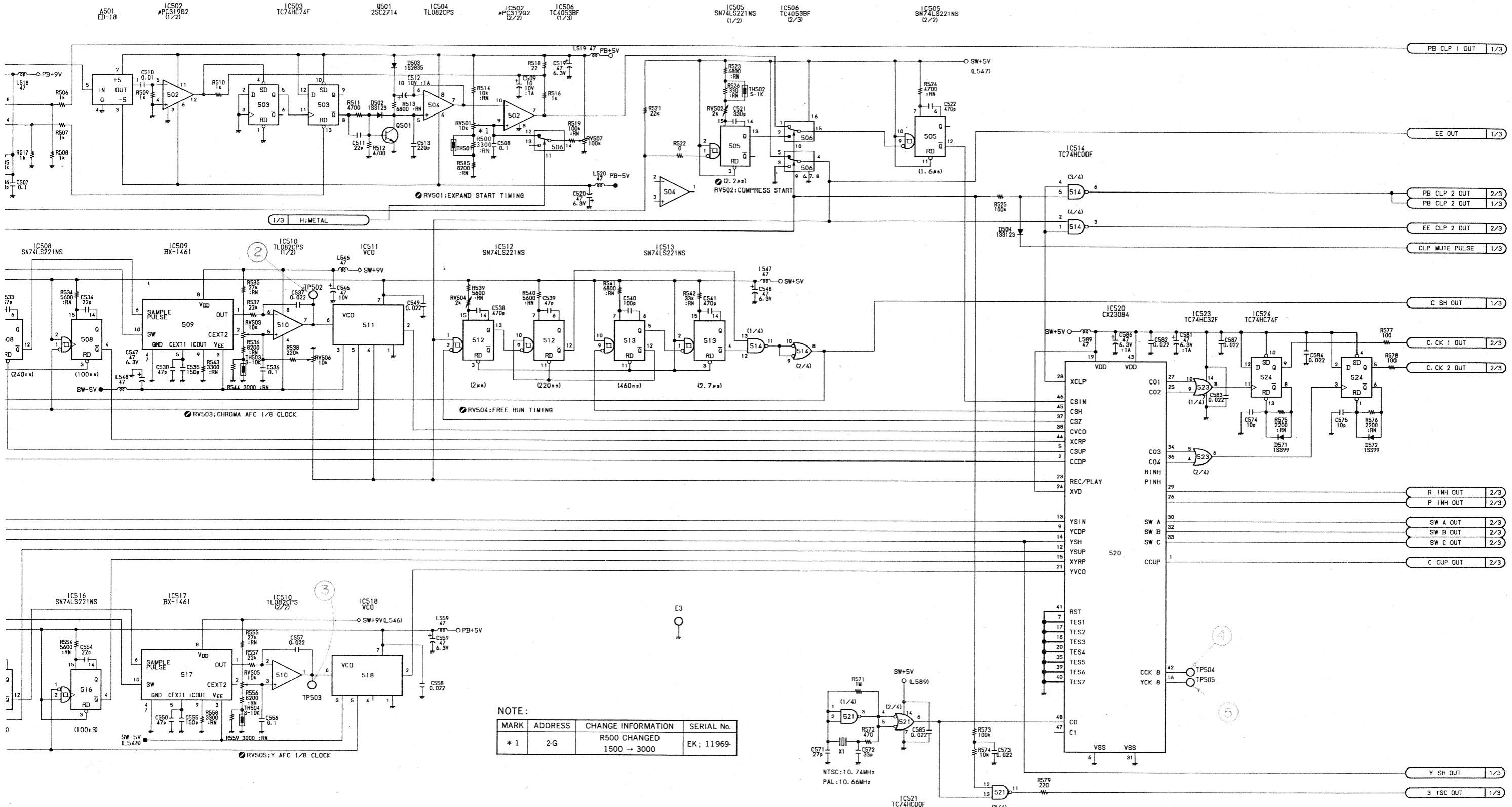
ENC 1-36 36 Y REF SYNC IN



NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	2-G	R500 CHANGED 1500 → 3000	EK; 11969-

NTSC: 10.74MHz
PAL: 10.66MHz

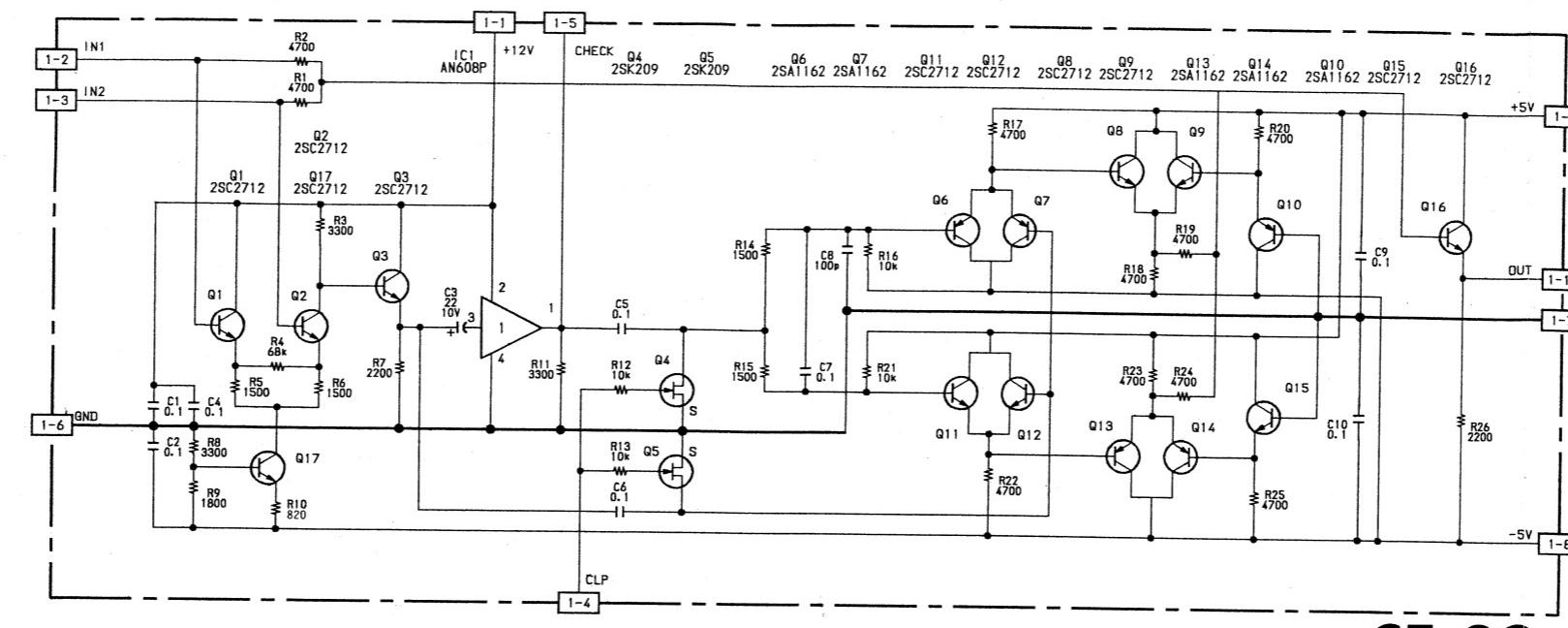
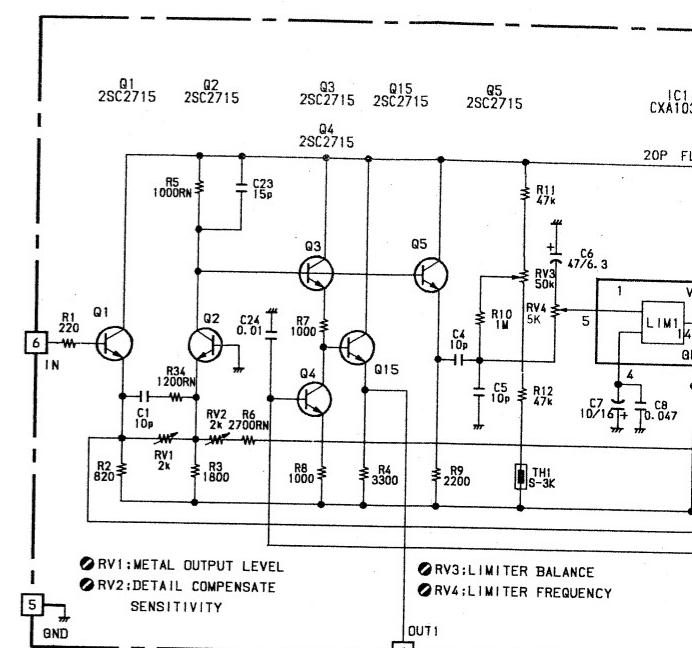
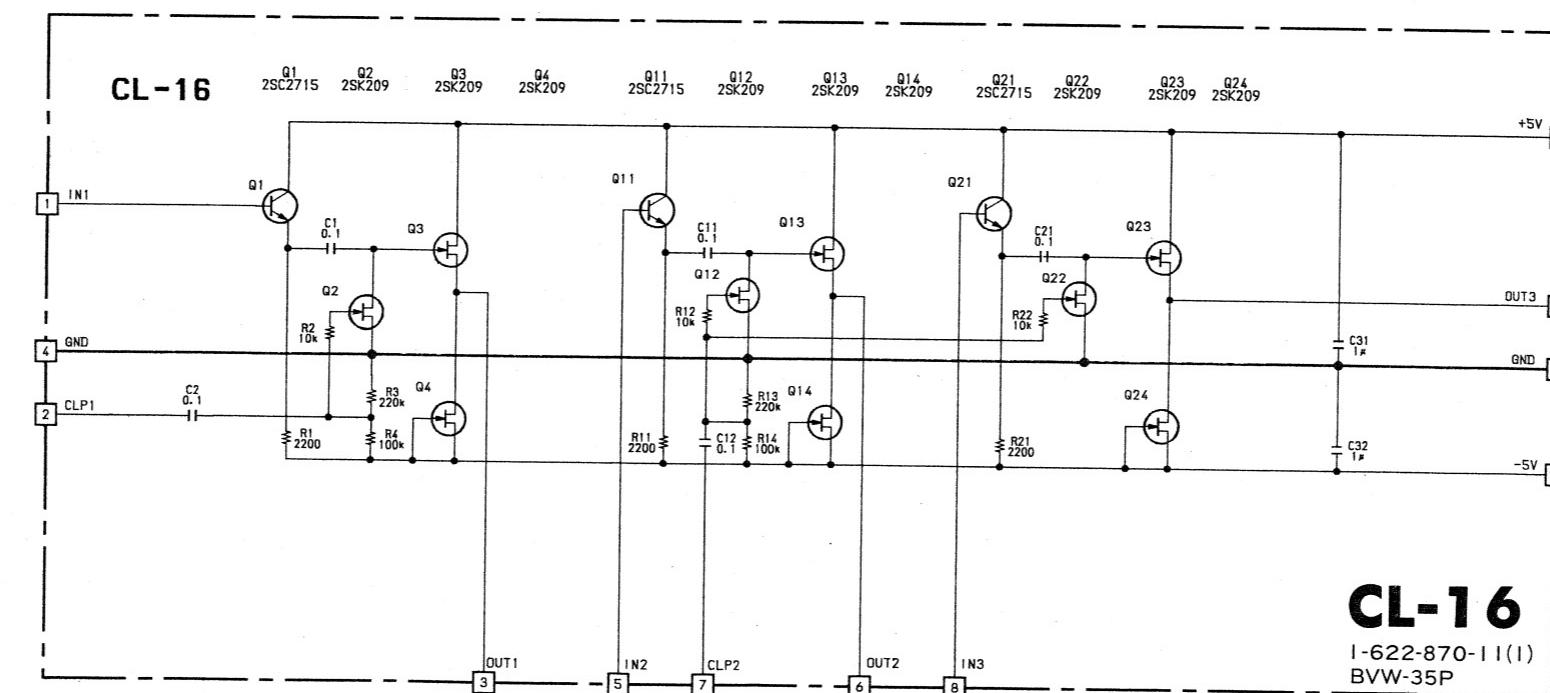
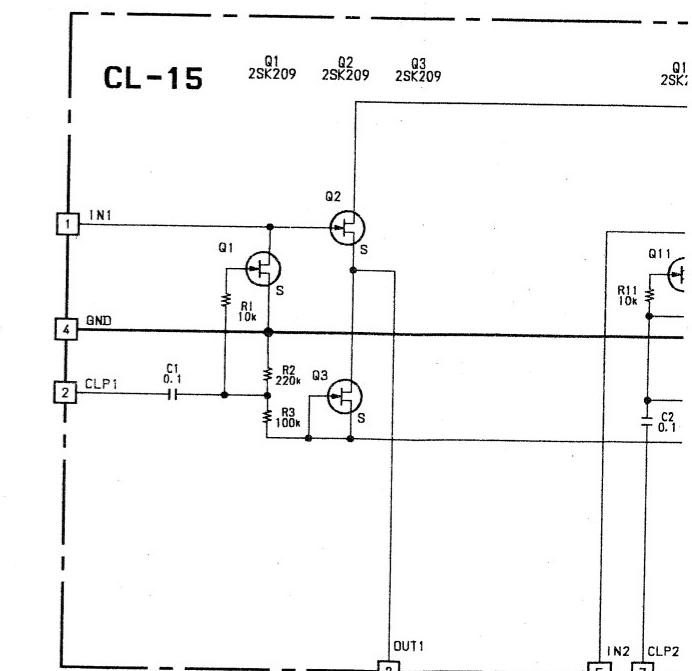


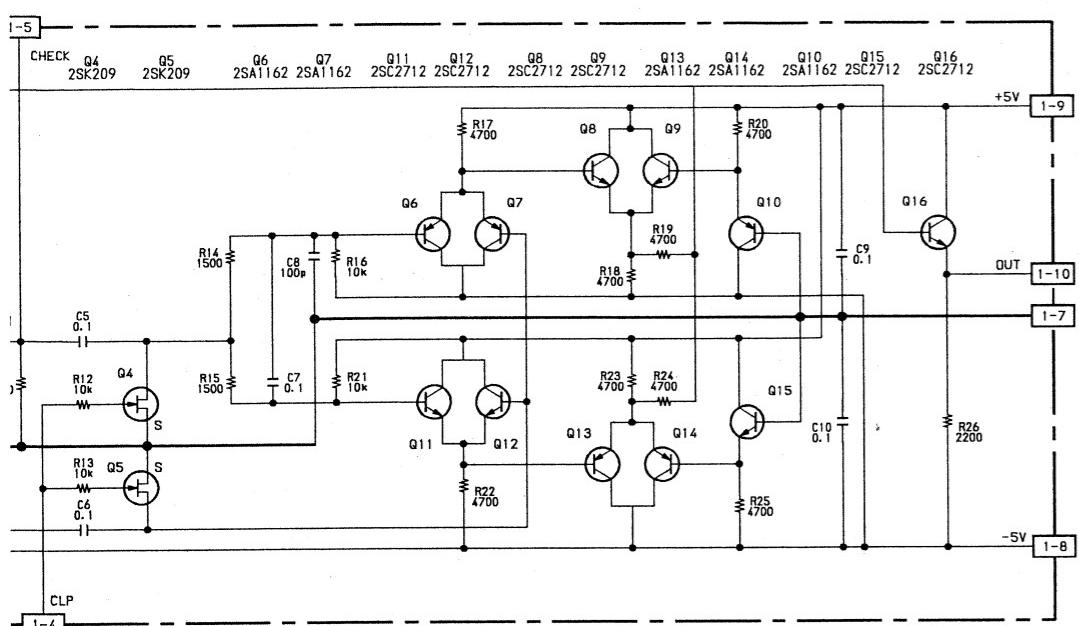
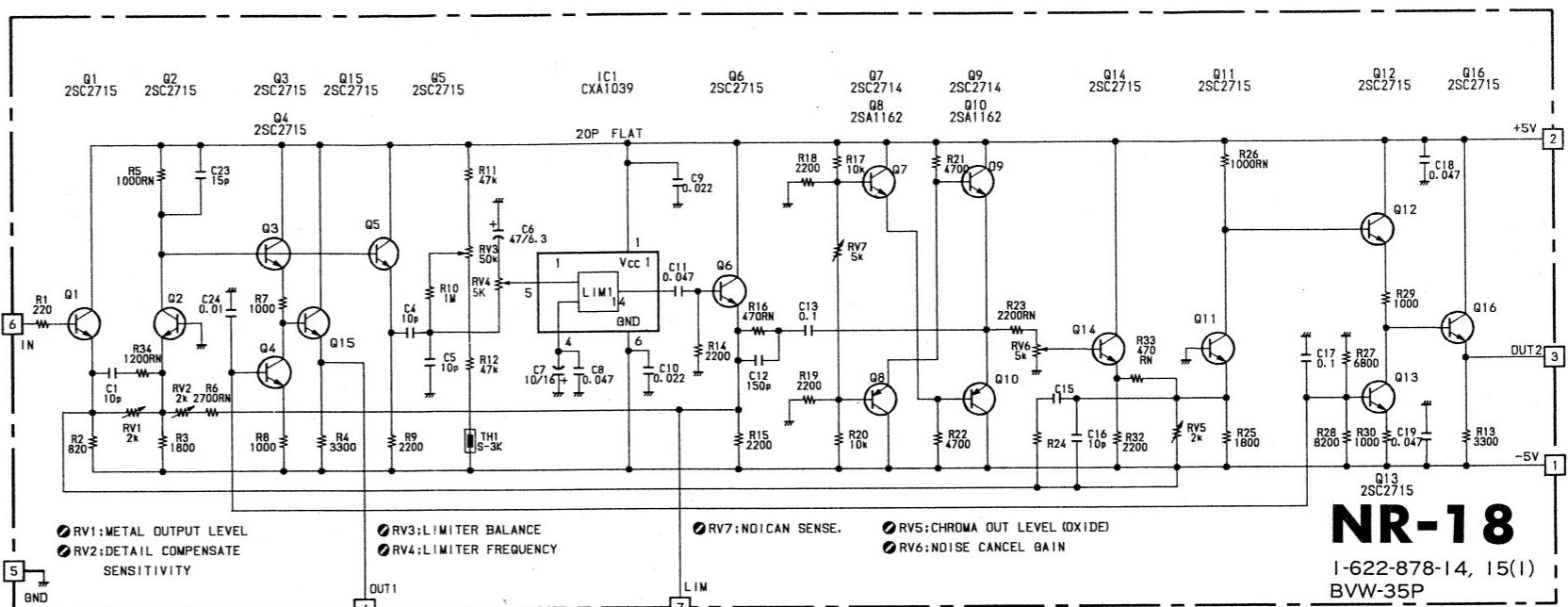
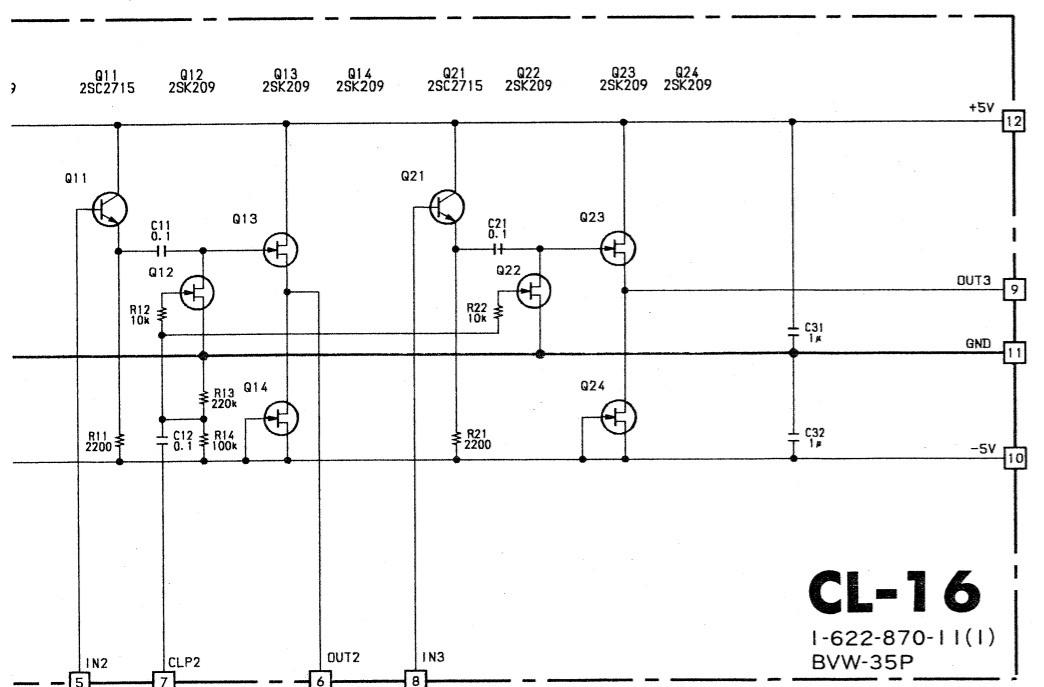
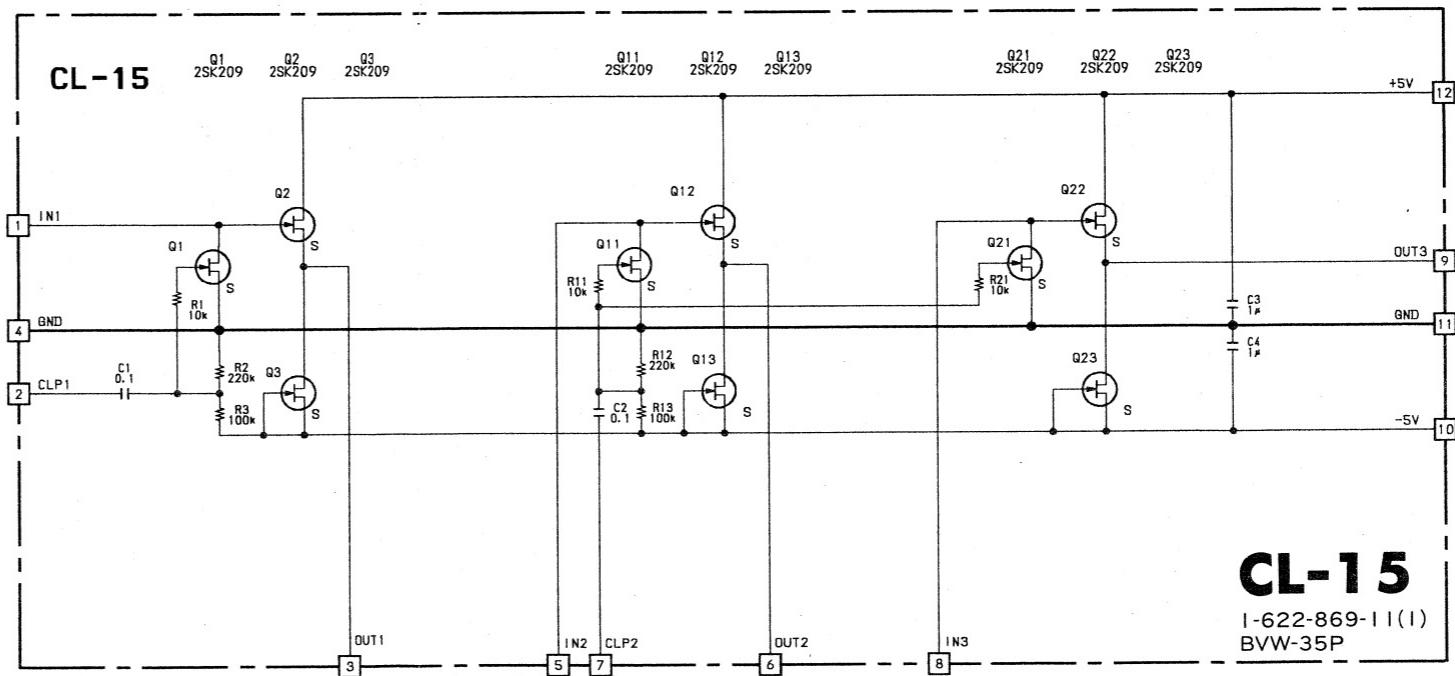
CF-29; COMB FILTER

CL-15; CLAMPER FOR DL-15 OUT SIGNALS

CL-16; CLAMPER FOR DL-15 IN SIGNALS

NR-18; NOISE CANCELLER FOR PB CTDM SIGNALS

**CF-29**I-622-868-11(1)
BVW-35PRV1: METAL OUTPUT LEVEL
RV2: DETAIL COMPENSATE SENSITIVITYRV3: LIMITER BALANCE
RV4: LIMITER FREQUENCY**CL-16**I-622-870-11(1)
BVW-35P

**CF-29**I-622-868-11(1)
BVW-35P**NR-18**I-622-878-14, 15(1)
BVW-35P**CL-16**I-622-870-11(1)
BVW-35P**CL-15**I-622-869-11(1)
BVW-35P

DL-14; 1H DELAY LINE

DL-15; 1/2H, 1H DELAY LINE

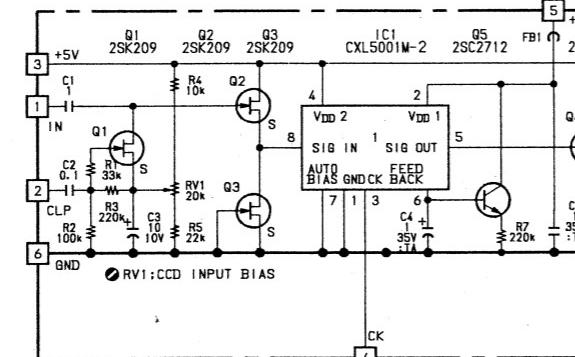
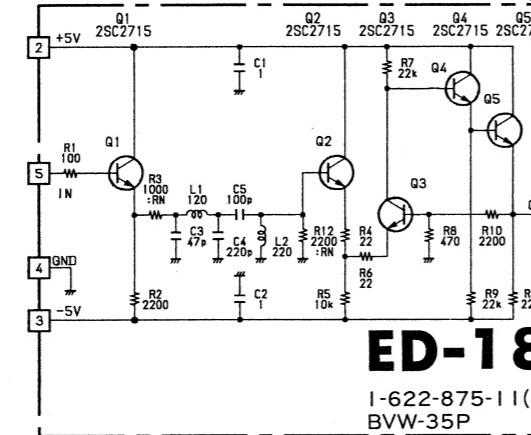
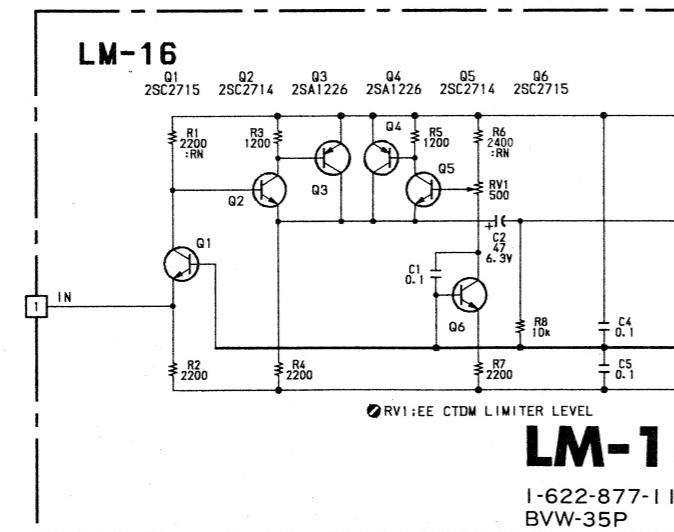
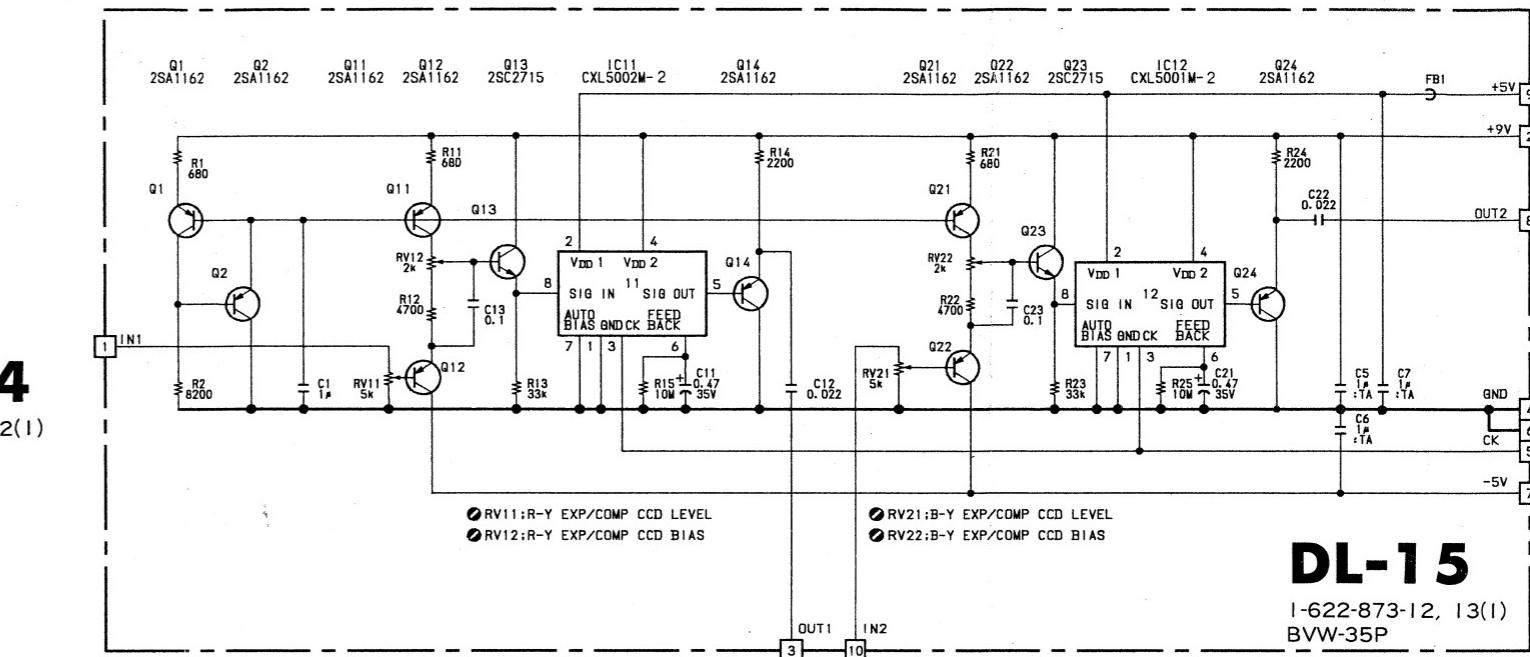
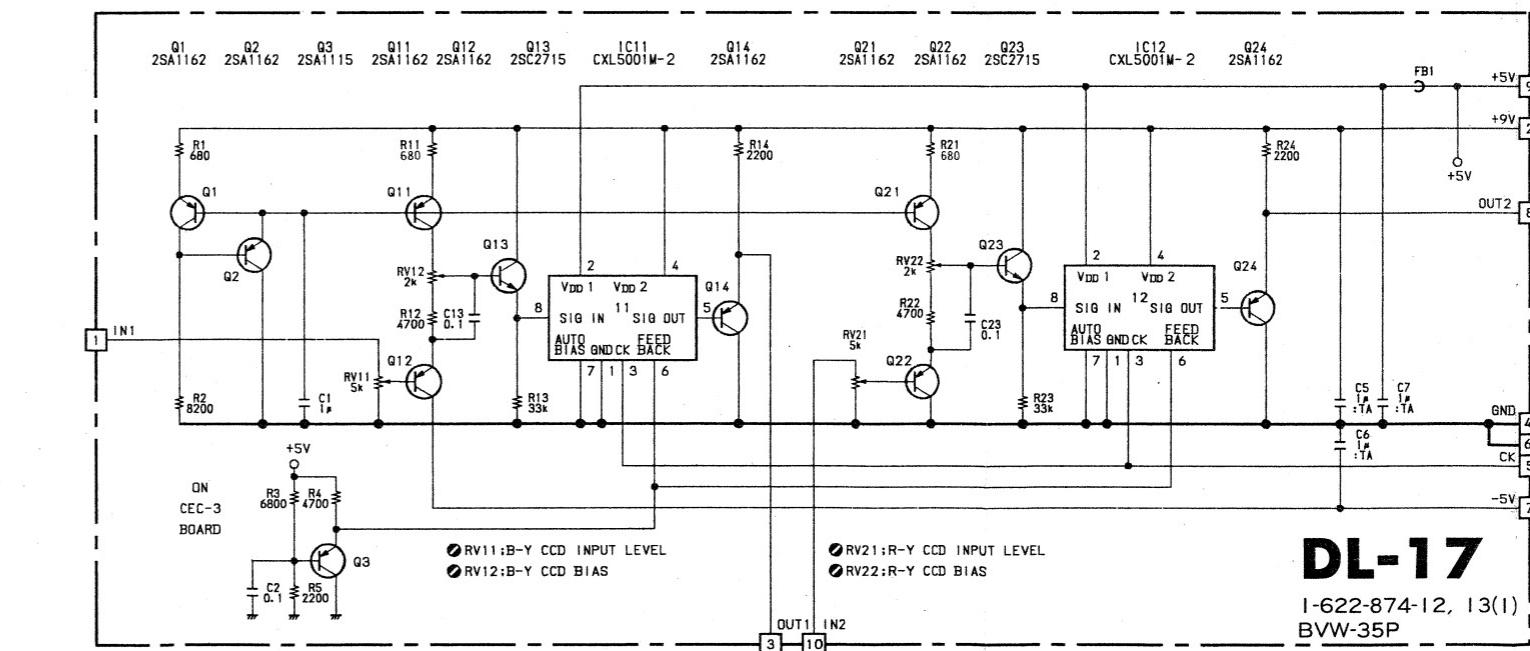
DL-17; 1H DELAY LINE FOR CF

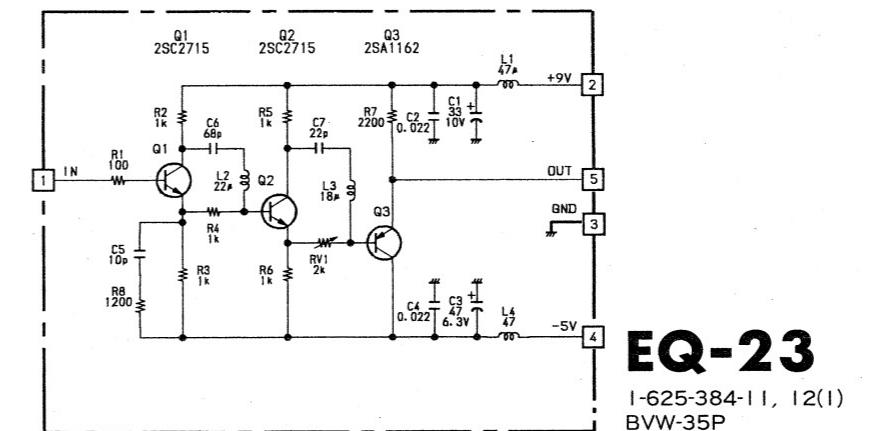
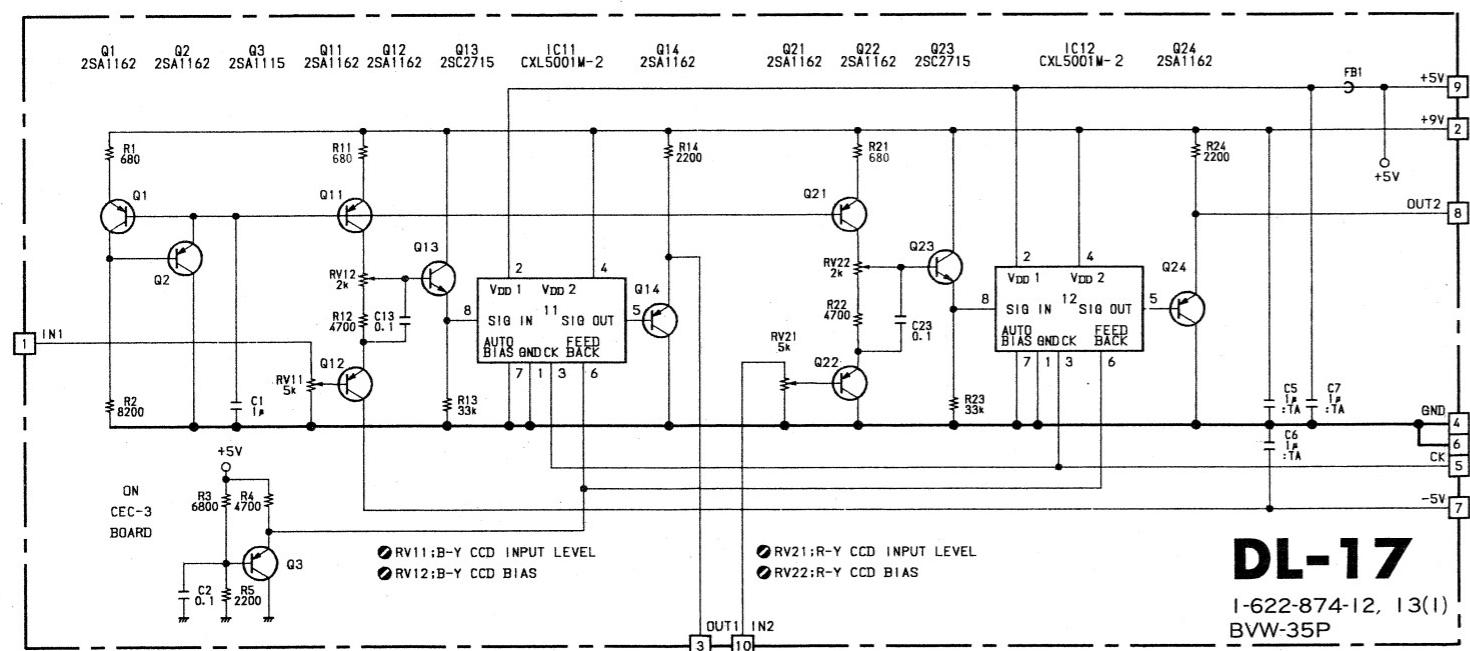
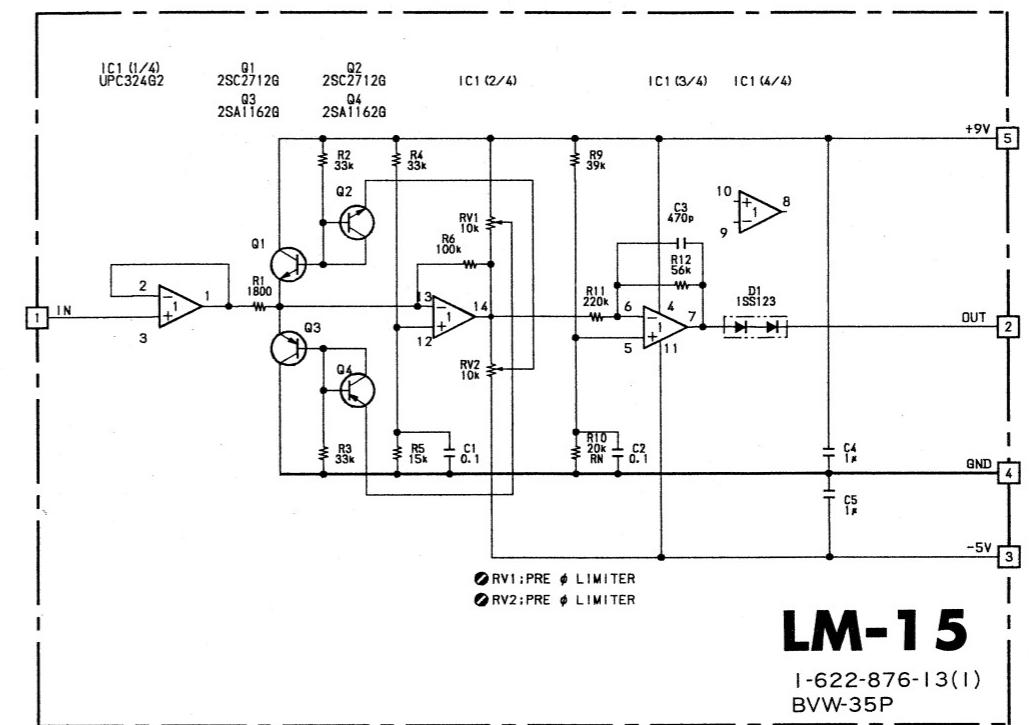
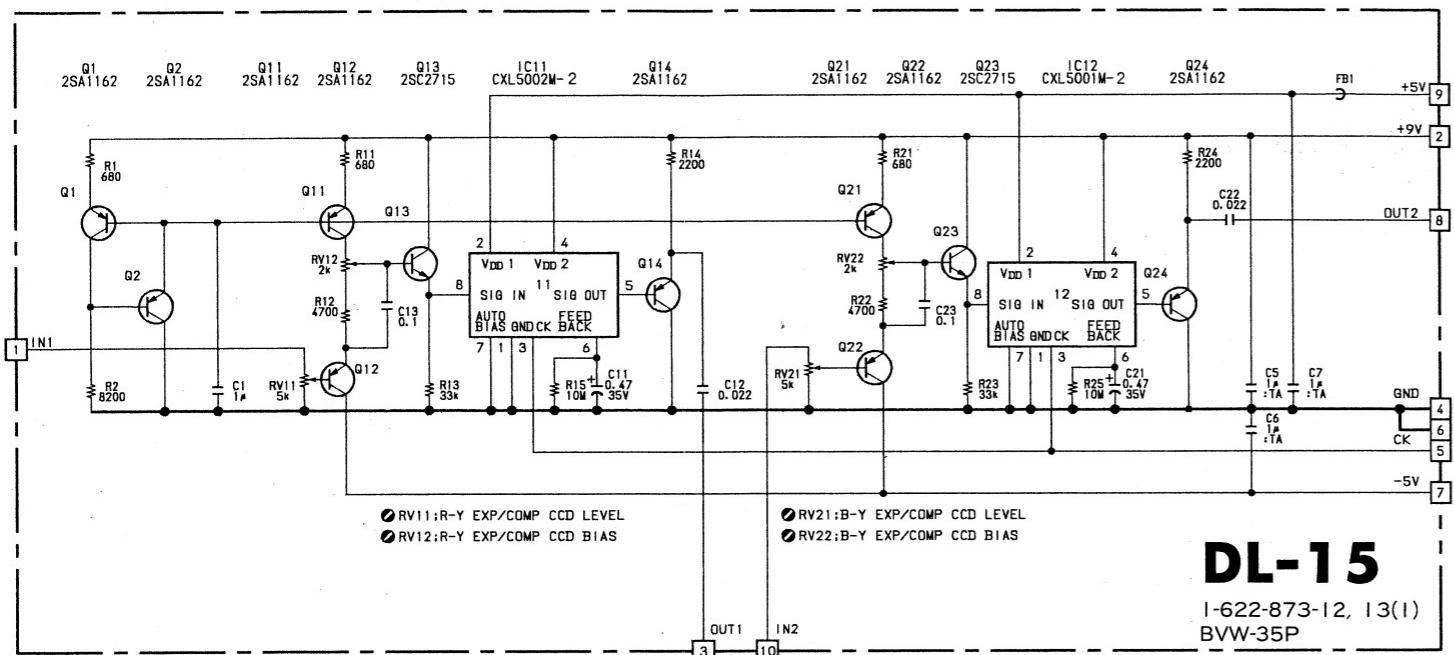
ED-18; EDGE DETECTOR

EQ-23: DELAY CIRCUIT

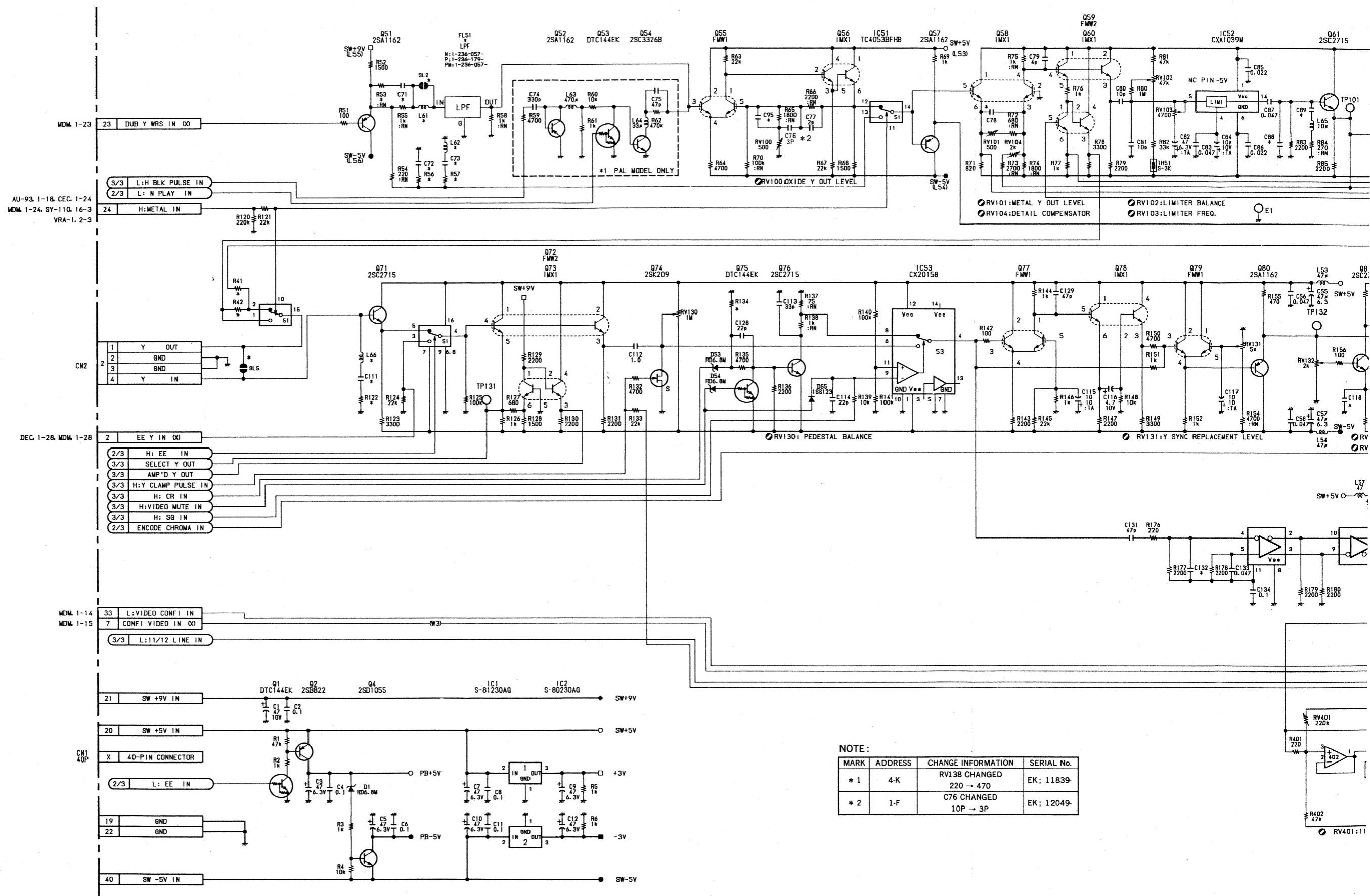
LM-15; LIMITER FOR PRE-PHASER

LM-16; LIMITER FOR REC 100% CTDM SIGNALS

**DL-14**I-622-872-12(1)
BVW-35P**ED-18**I-622-875-11(1)
BVW-35P**LM-16**I-622-877-11(1)
BVW-35P**DL-15**I-622-873-12, 13(1)
BVW-35P**DL-17**I-622-874-12, 13(1)
BVW-35P

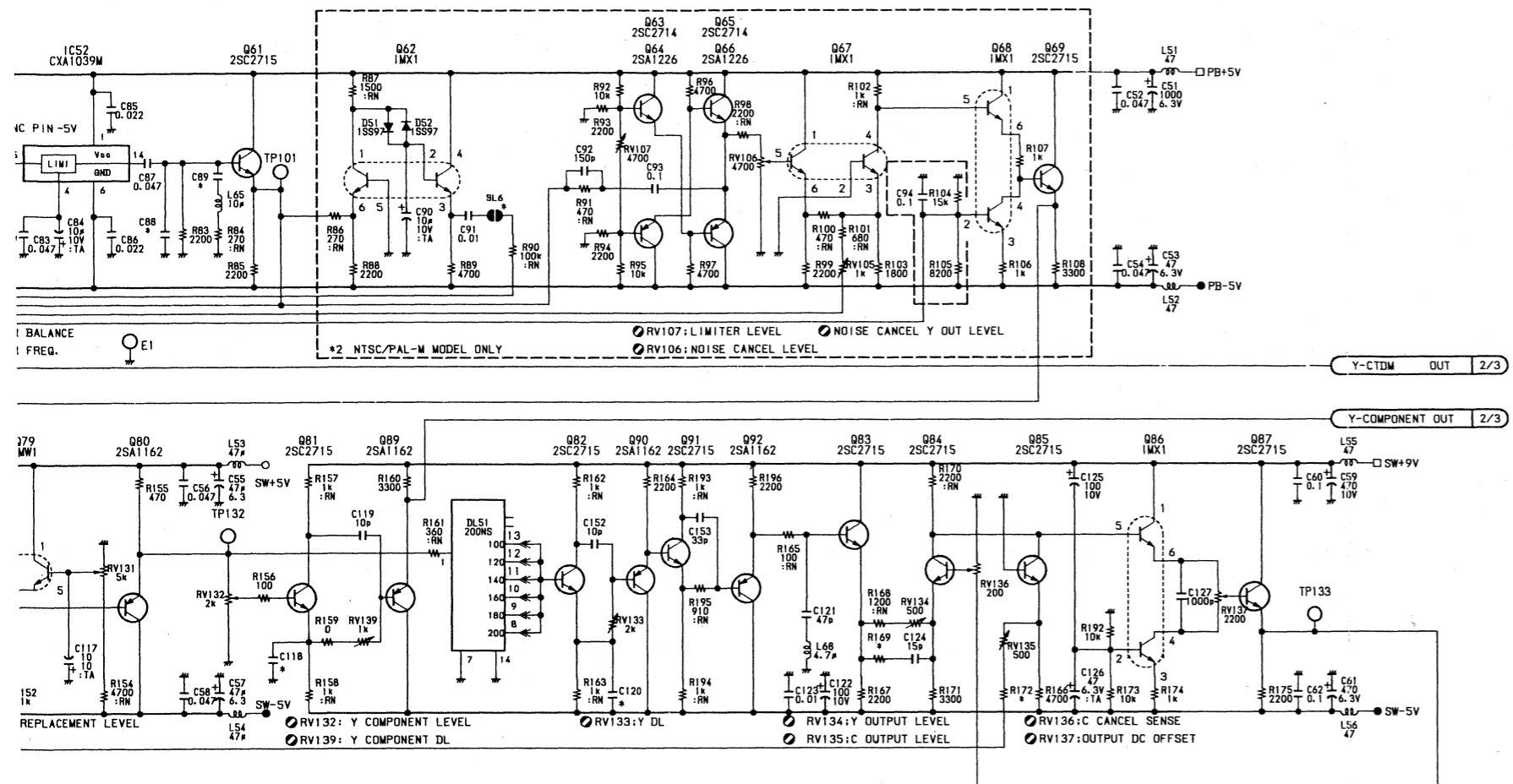


**E C-11P (1/3); VIDEO ENCODER
Y PROCESSOR**

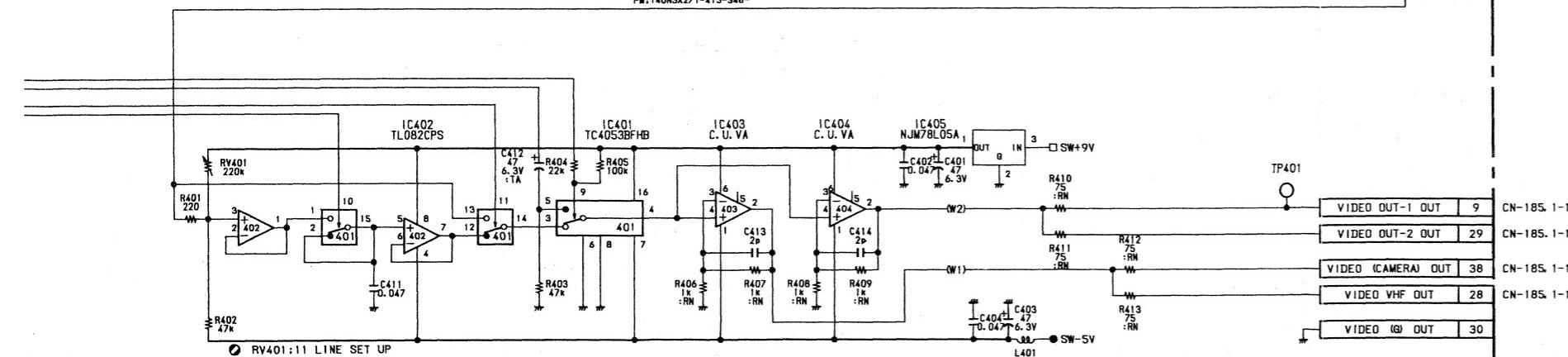


NOTE :

NOTE:		CHANGE INFORMATION	SERIAL No.
MARK	ADDRESS		
* 1	4-K	RV138 CHANGED 220 → 470	EK; 11839-
* 2	1-F	C76 CHANGED 10P → 3P	EK; 12049-

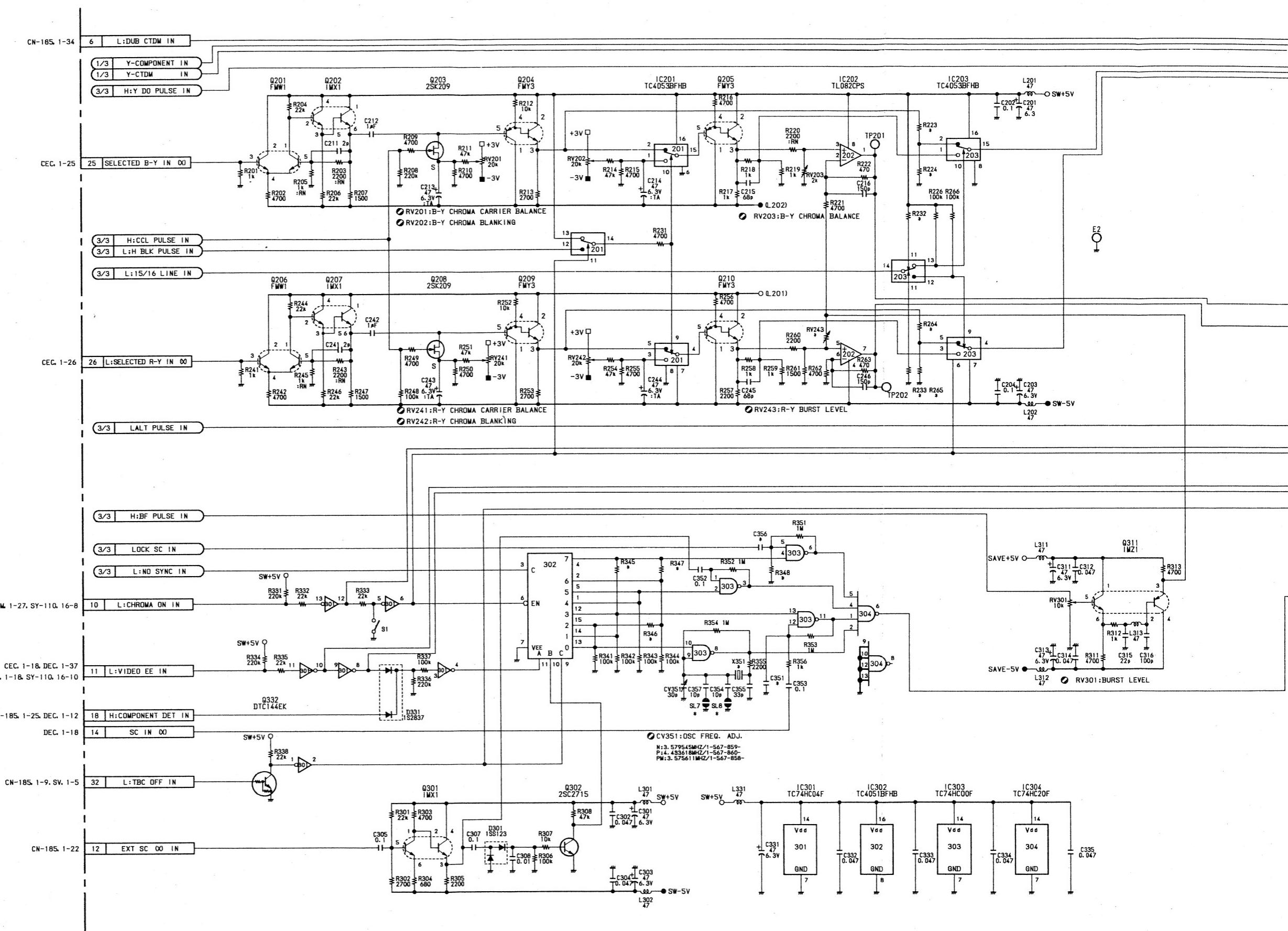


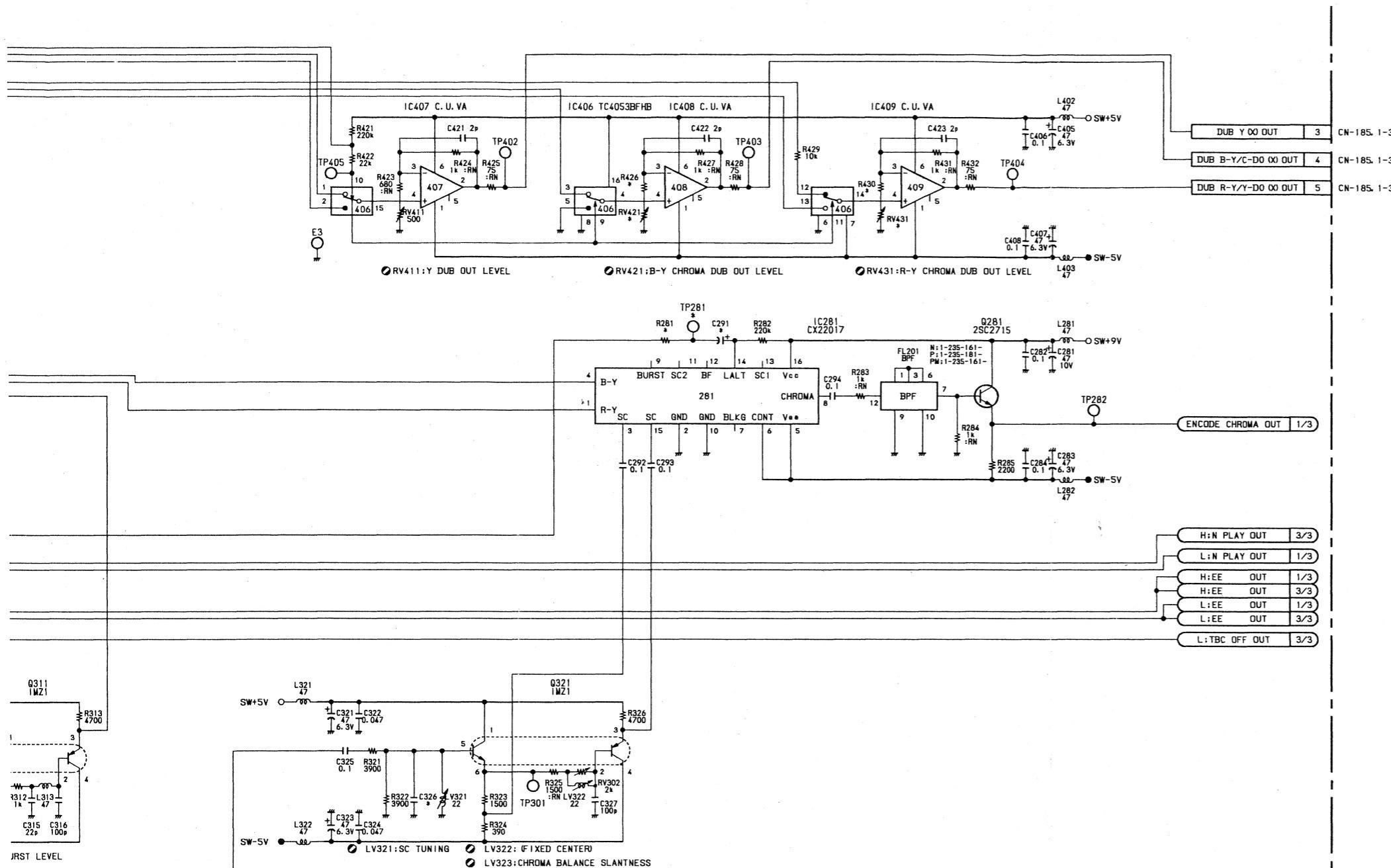
* MOUNT SELECT PARTS			
REF. NO.	NTSC	PAL-M	PAL
SL2	OPEN	OPEN	SHORT
SL5	SHORT	SHORT	OPEN
SL6	SHORT	SHORT	OPEN
C71	47P	47P	
C72	47P	47P	100P
C73	18P	18P	
C78	15P	15P	22P
C88			22P
CB9	22P	22P	10P
C95			
C111			47P
C118			
C120			
C132	22P	22P	
CM2			MOUNT
R41	0	0	
R42			0
RS3	27KRN	27KRN	
RS6	12KRN	12KRN	8.2KRN
RS7	3.3KRN	3.3KRN	
R122			1KRN
R134			
R169	470RN	470RN	470RN
R172	1.2KRN	1.2KRN	820RN
L61	12U	12U	
L62	150U	150U	
L66			68U
DL52	REMARKED BESIDE THE PART		
FL51	REMARKED BESIDE THE PART		
*1	REMARKED BESIDE THE PART		
*2	REMARKED BESIDE THE PART		



ENC-11/P/PM(1/3)

I-629-80 I-11, 12(3)
BVW-35
BVW-35P
BVW-35PM

NC-11P (2/3); VIDEO ENCODER
Y PROCESSOR



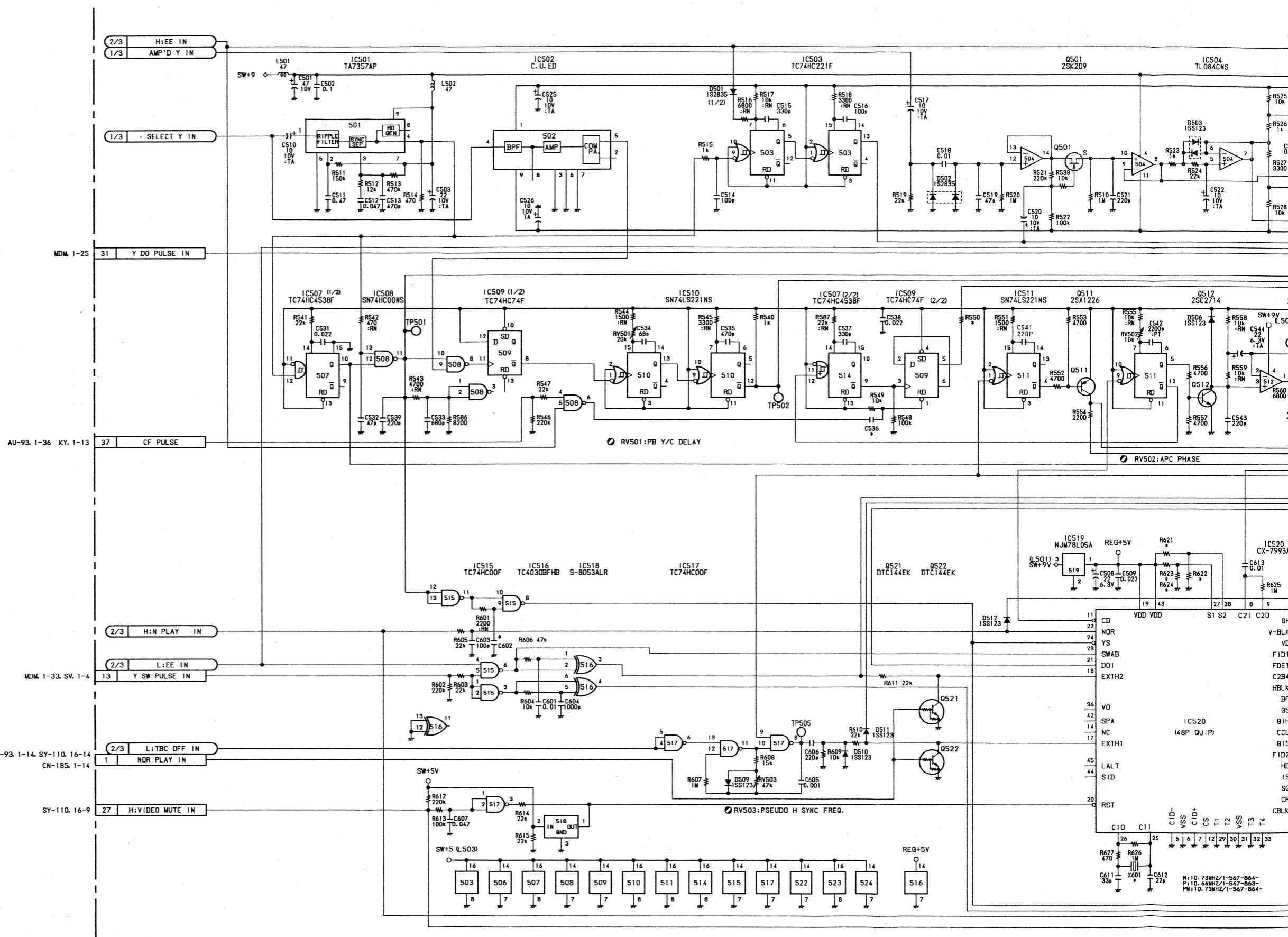
* MOUNT SELECT PARTS

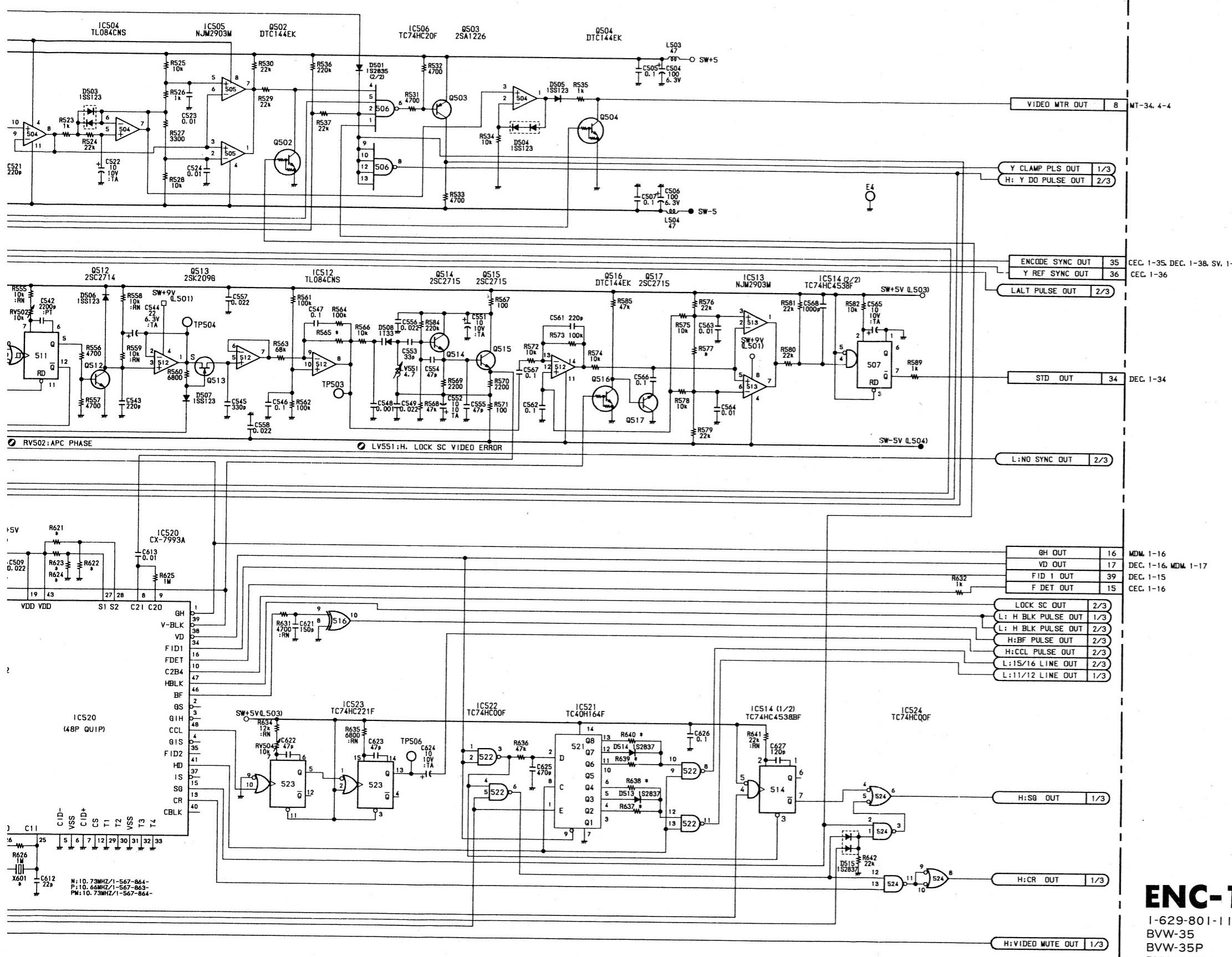
REF. NO.	NTSC	PAL-M	PAL
C291	10/10:TA	10/10:TA	
C326	82P	82P	68P
C351			47P
C356	0.1		
R223	2.2K		2.2K
R224	2.2K		2.2K
R232	22K		22K
R233		22K	
R264		2.2K	
R265		2.2K	
R281		4.7K	4.7K
R345	0	0	
R346	0	0	
R347	0		
R348	0	0	
R426	B20RN	B20RN	1.5KRN
R430	B20RN	B20RN	1.5KRN
RV421	1K	1K	2K
RV431	500	500	2K
RV243		47K	47K
TP281	MOUNT	MOUNT	
X351	REMARKED BESIDE THE PART		
FL201	REMARKED BESIDE THE PART		
SL7	CHOICE		
SL8			

ENC-11/P/PM(2/3)

I-629-801-11, 12(1)
BVW-35
BVW-35P
BVW-35PM

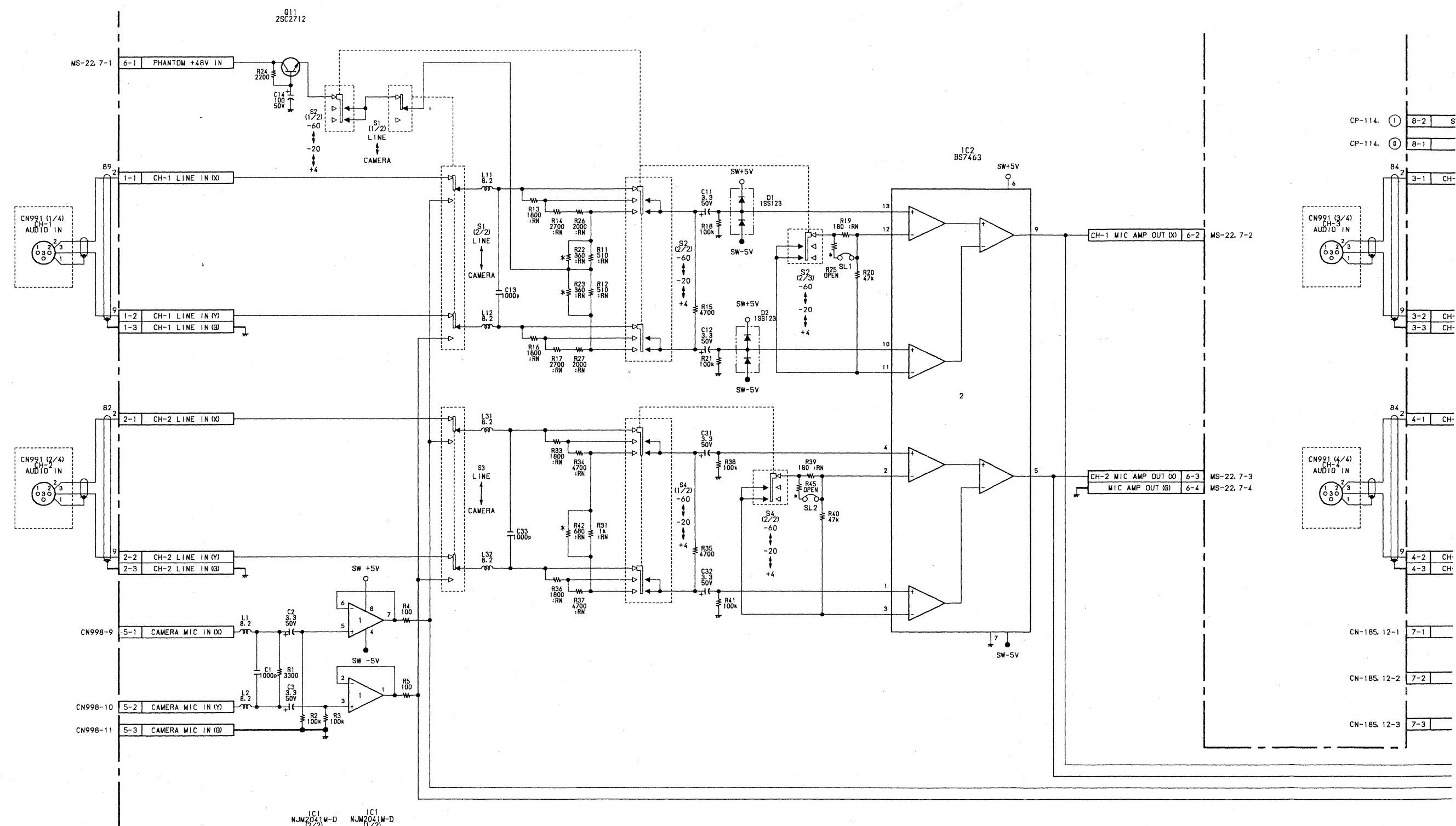
ENC-11P (3/3); VIDEO ENCODER
Y PROCESSOR



**ENC-11/P/PM(3/3)**

I-629-801-11, 12(1)
BVW-35
BVW-35P
BVW-35PM

-28; MIC AMPLIFIER



14-137

14-138

A

B

C

D

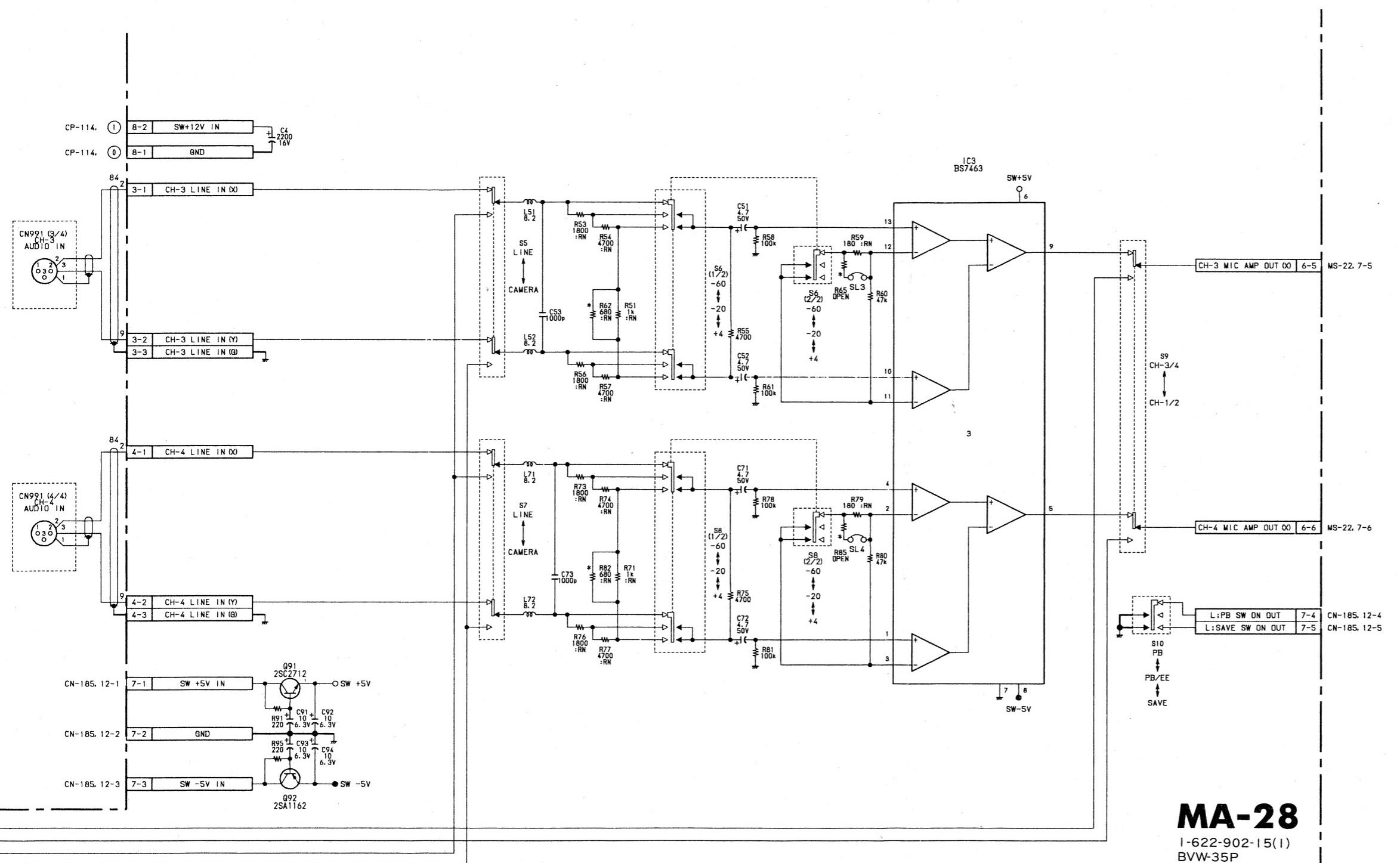
E

F

G

H

I



MA-28

I-622-902-15(1)
BVW-35P

NOTE:

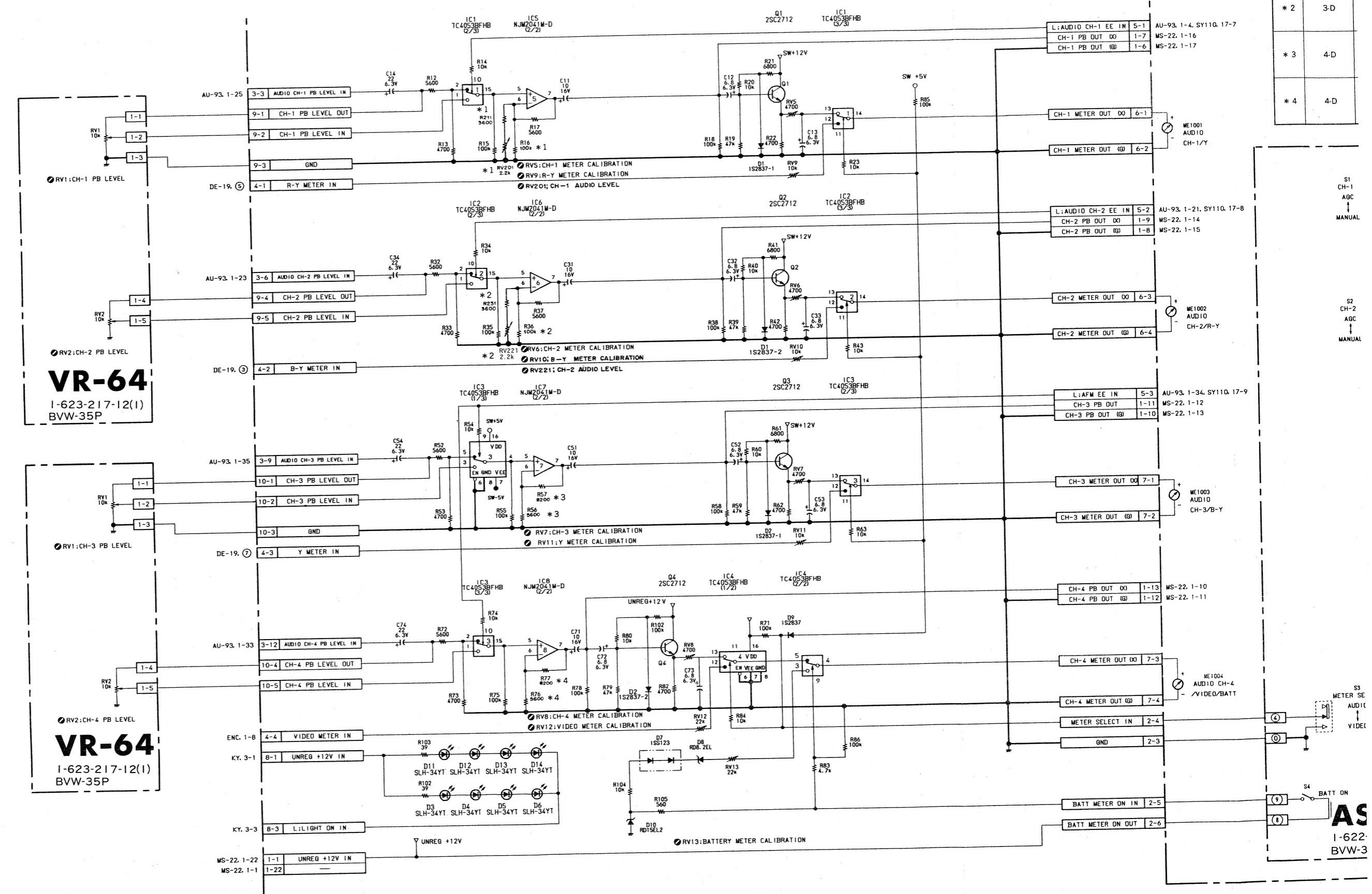
MARK	ADDRESS
* 1	2-D
* 2	3-D
* 3	4-D
* 4	4-D

IT-34, VR-64, ASW-7

MT-34; METER DRIVE
AUDIO LEVEL

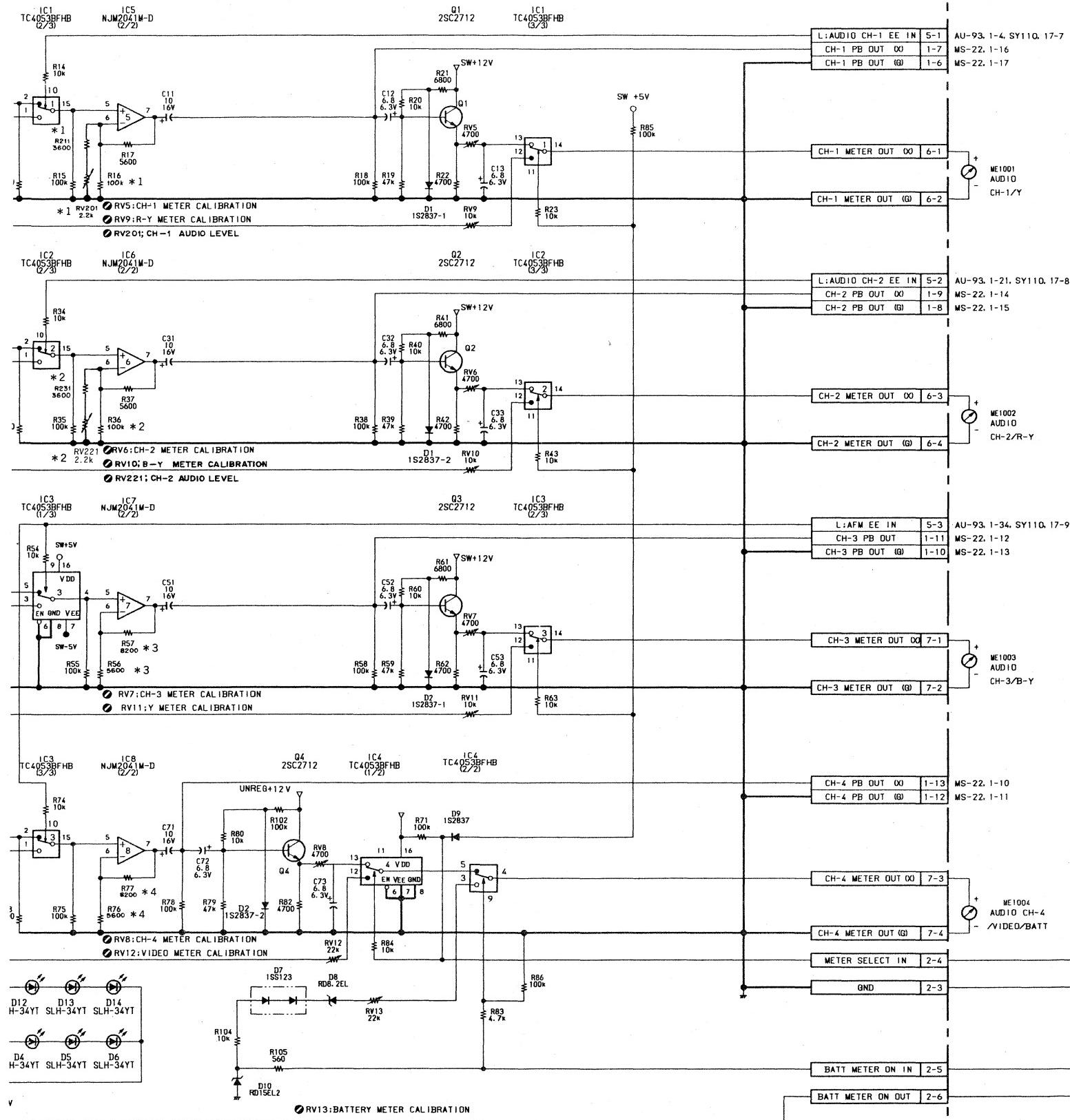
VR-64; PB LEVEL

ASW-7; AUDIO FRONT SWITCH



NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	2-D	R16 CHANGED 4700 → 100K ADDED R211, RV201	
* 2	3-D	R36 CHANGED 4700 → 100K ADDED R231, RV221	EK; 11769-
* 3	4-D	R56 CHANGED 4700 → 5600 R57 CHANGED 5600 → 8200	
* 4	4-D	R76 CHANGED 4700 → 5600 R77 CHANGED 5600 → 8200	

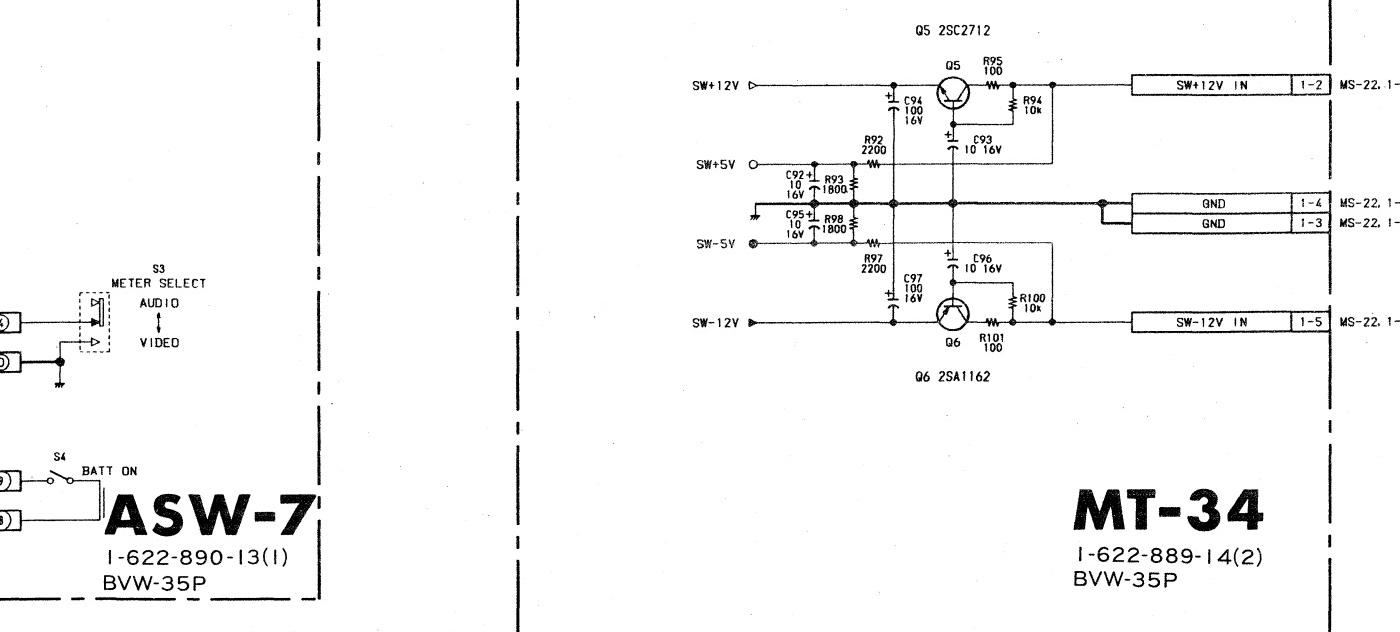
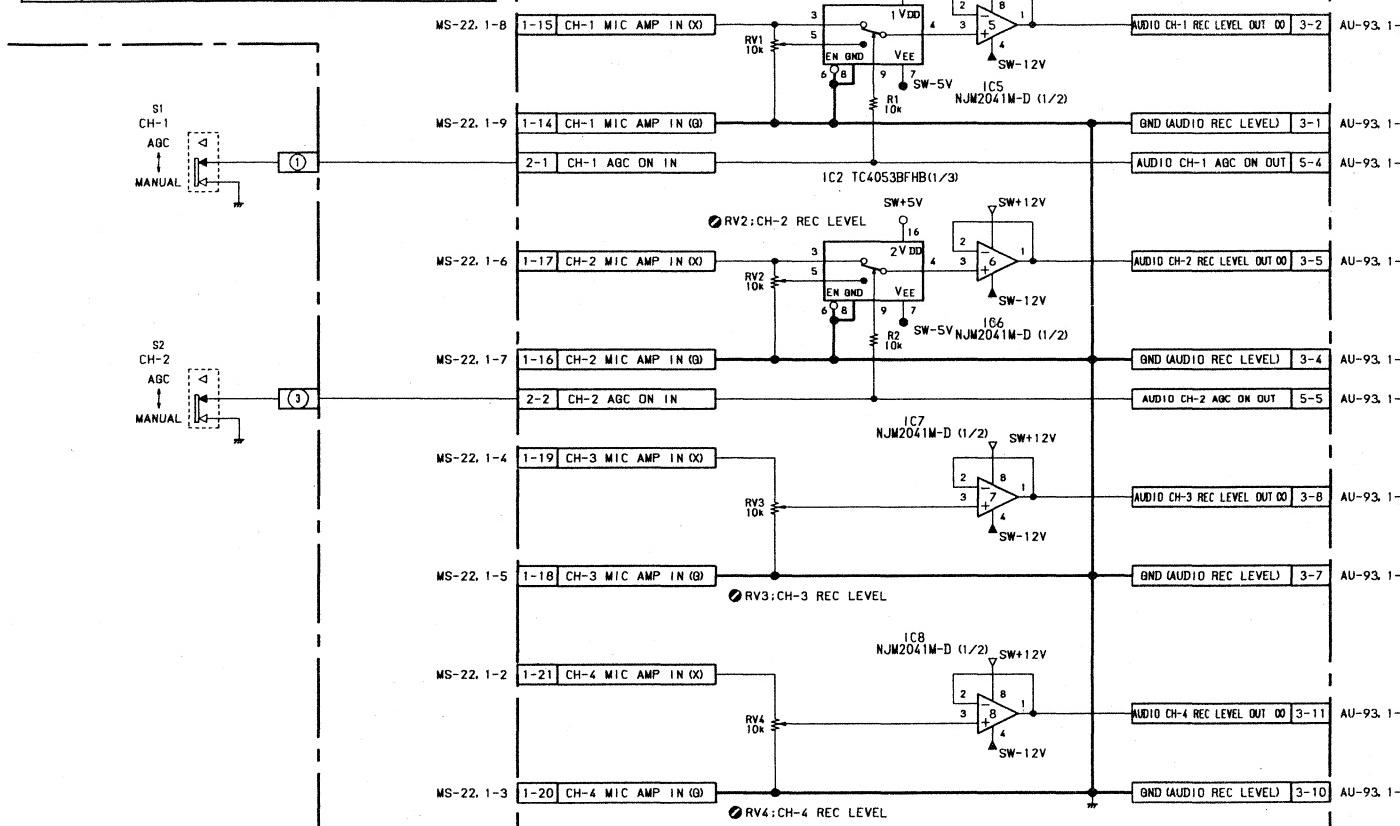


ASW-7
I-622-890-13(1)
BVW-35P

14-145

14-146

E F G H I J K L



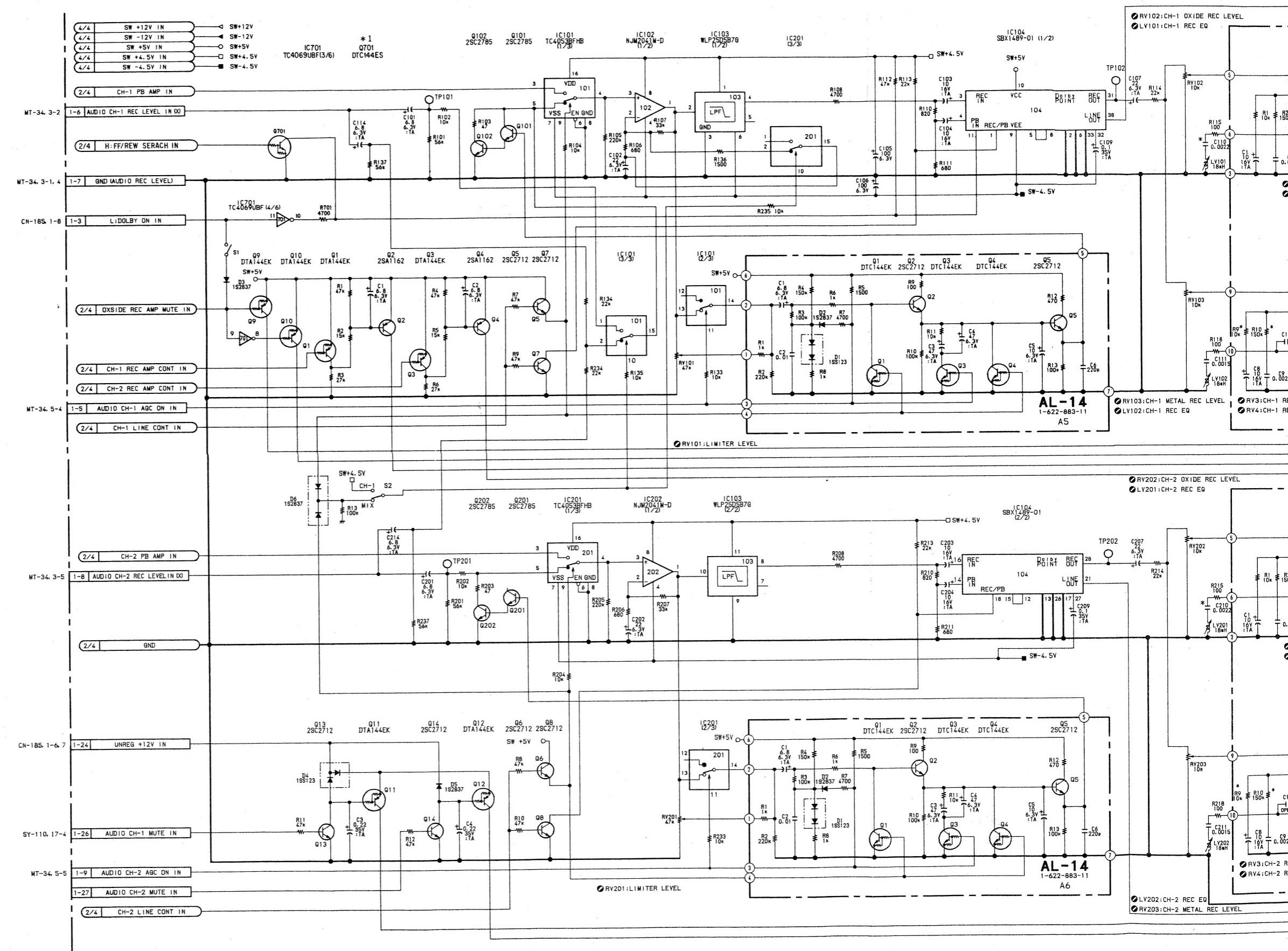
MT-34

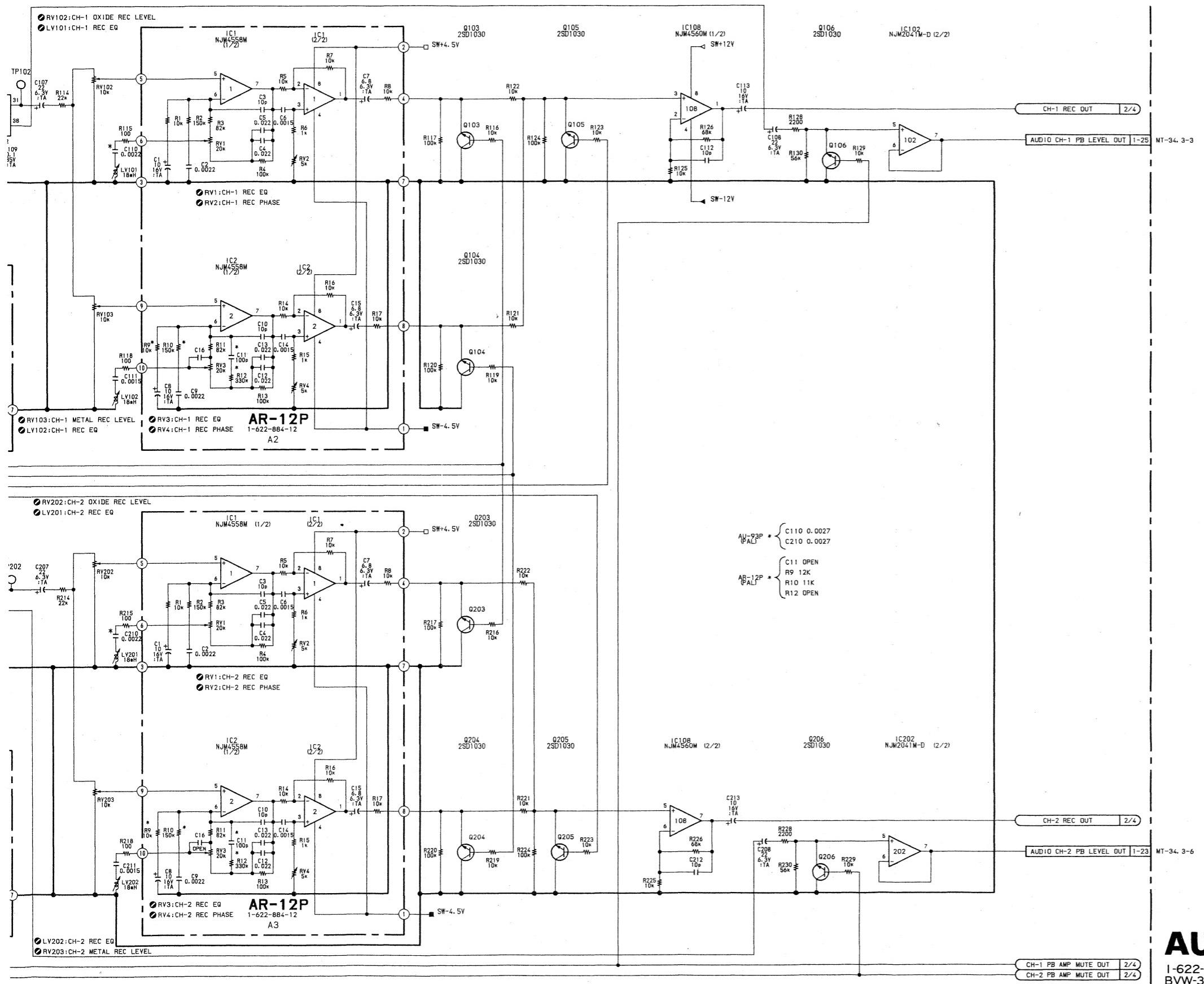
I-622-889-14(2)
BVW-35P

AU-93P(1/4); AUDIO REC/PB AMPLIFIER

L-14; AGC/LIMITER

AR-12P; REC AMPLIFIER



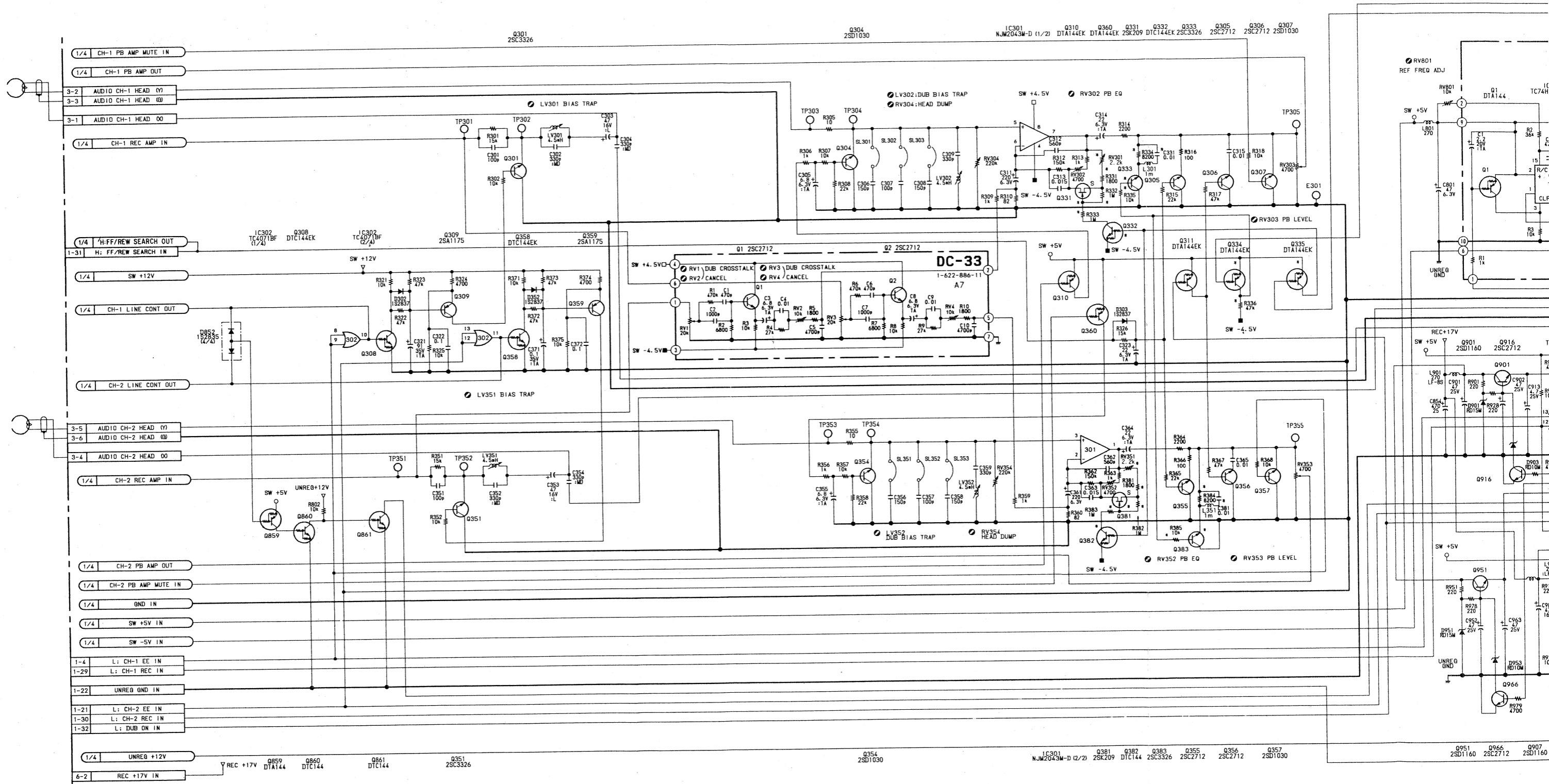


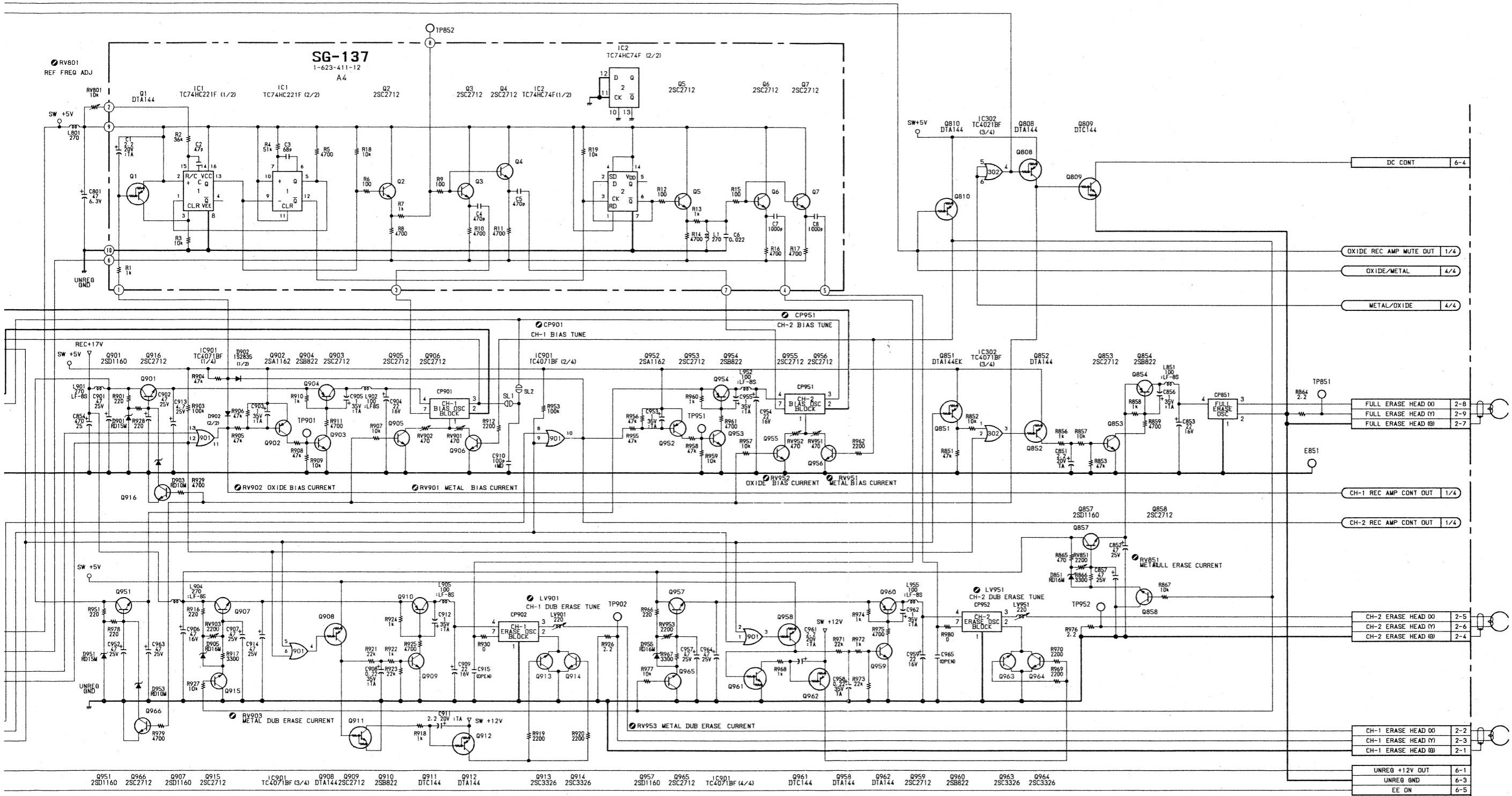
AU-93P(1/4)
I-622-881-14(1)
BVW-35P

1-93P(2/4): AUDIO REC/PB AMPLIFIER

DC-33: DUB CROSSTALK CANCELLER

SG-137; REF CLOCK GENERATOR





AU-93P(2/4)

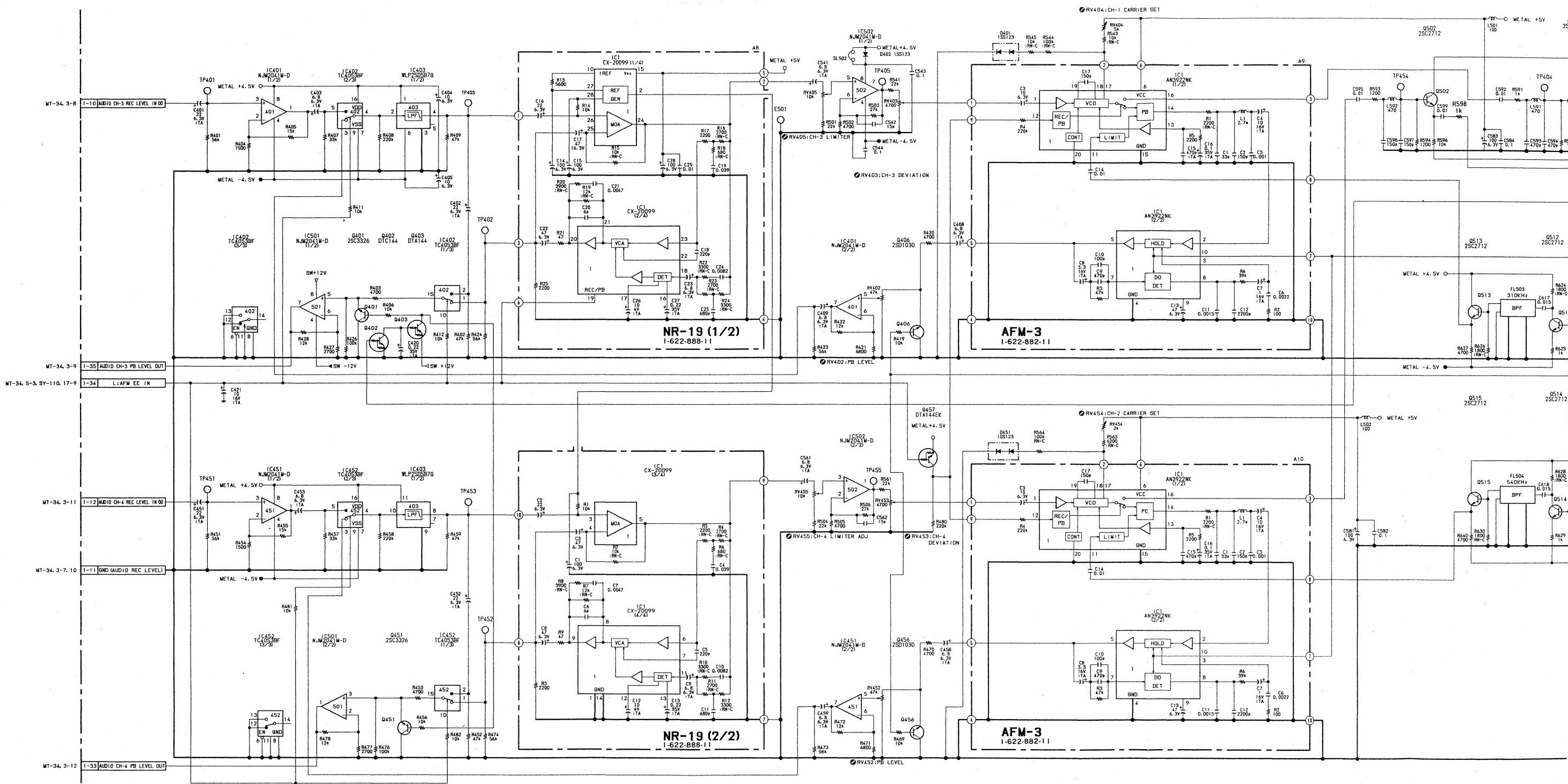
I-622-881-14(1)
BVW-35P

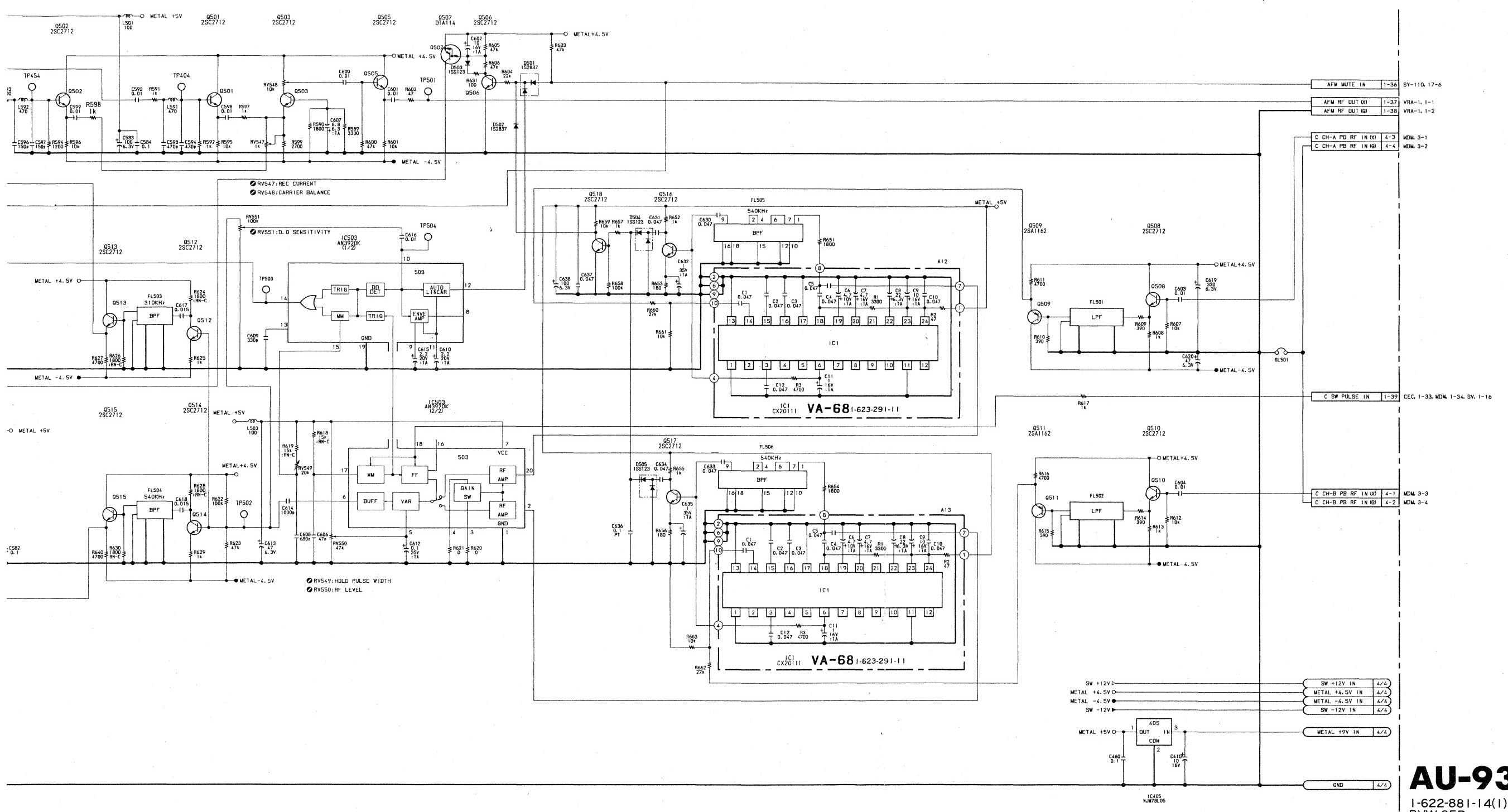
AII-93P(3/4); AUDIO REC/PB AMPLIFIER

AFM-3; FM AUDIO

NR-19; NOISE REDUCTION

V/A-68; AGC

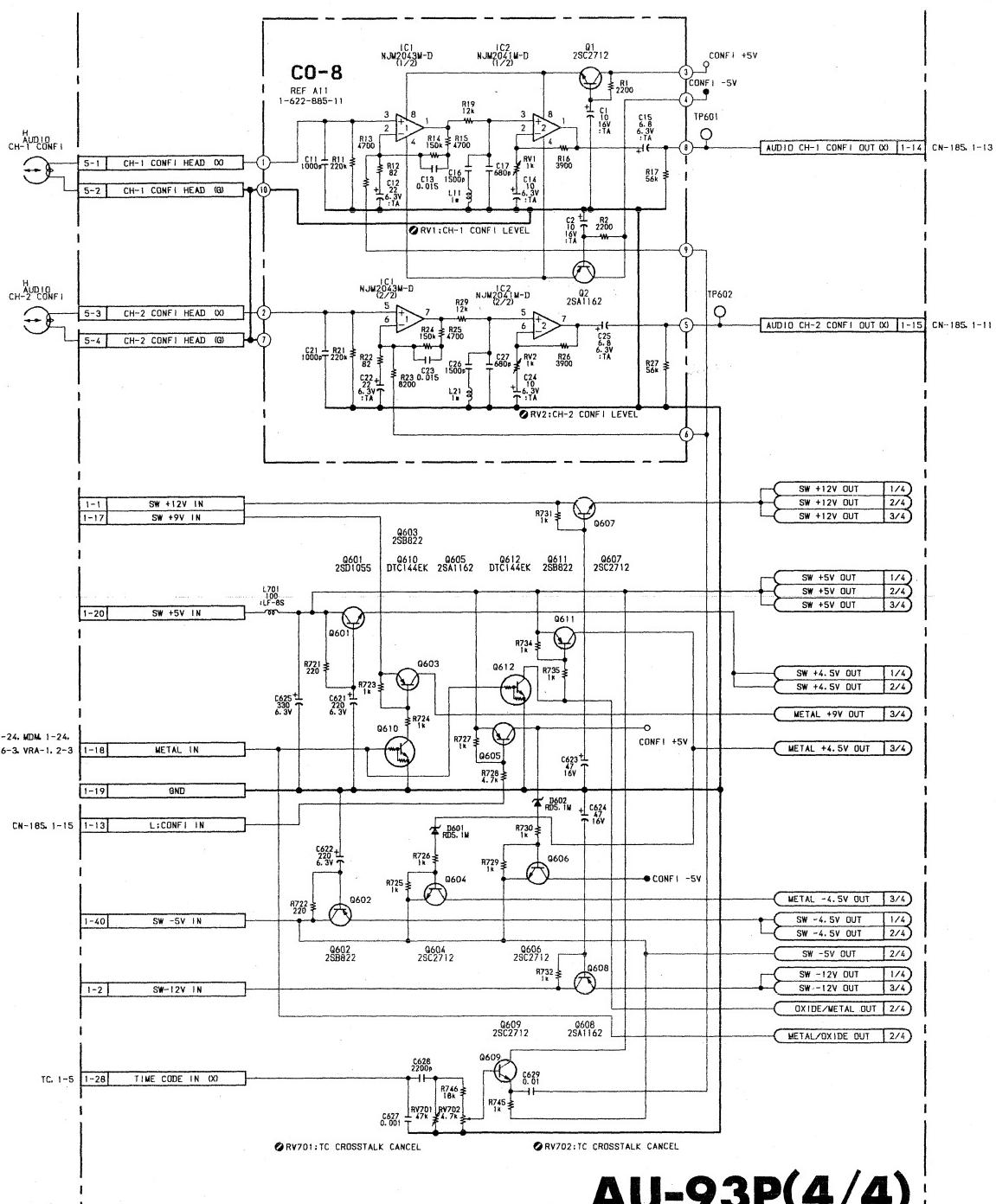




AU-93P(3/4)

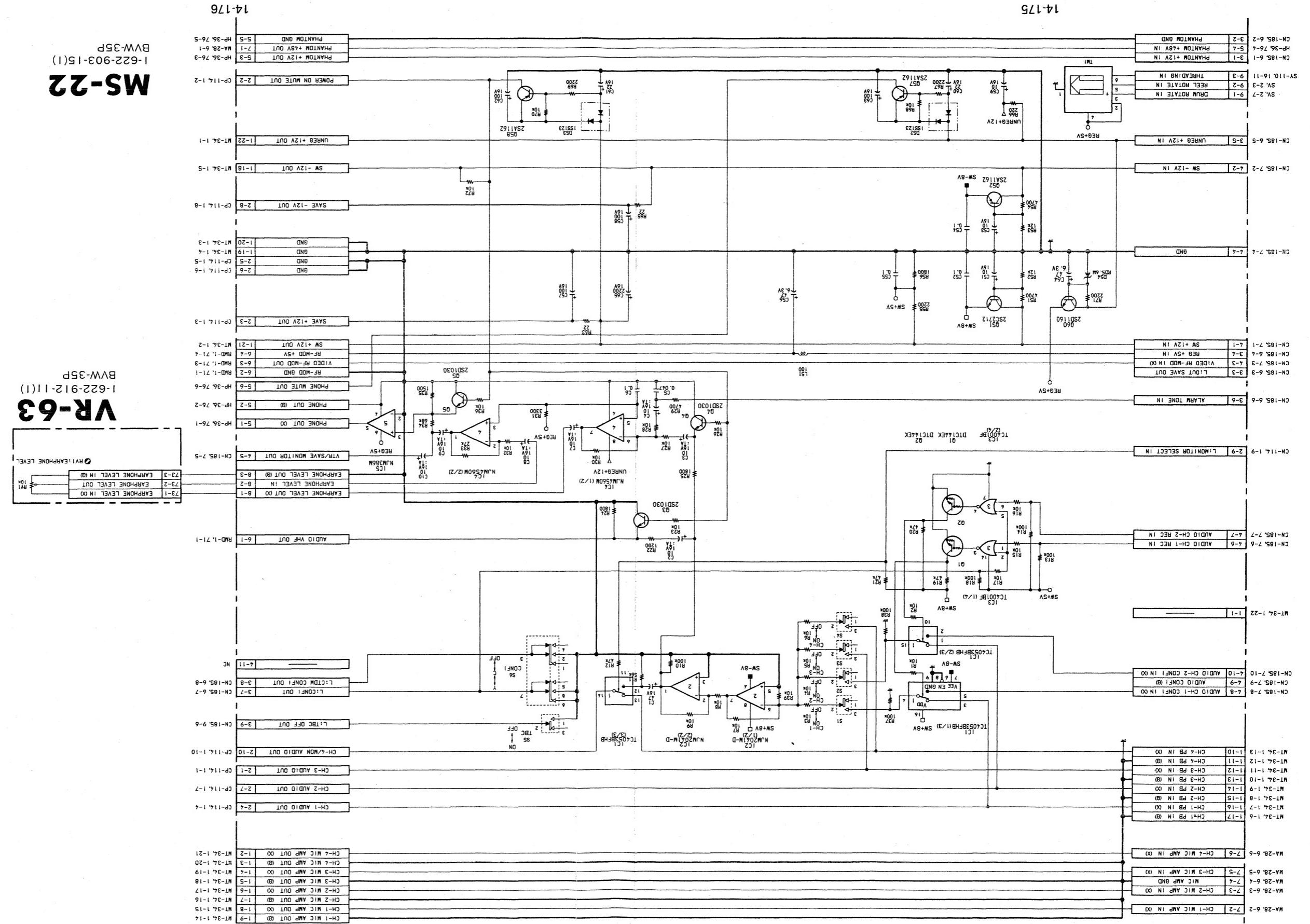
AU-93P(4/4); AUDIO REC/PB AMPLIFIER

CO-8; CONFI PB



AU-93P(4/4)

I-622-881-14(1)
BVW-35P



VR-63; PHONE LEVEL
MONITOR SELECTION
MS-22; MONITOR AMPLIFIER

CP-114; XLR OUT AMPLIFIER

MTS-2; CH-4 MONITOR SWITCH

CP-114, MTS-2 CP-114, MTS-2

CP-114/A

J-CP-114A
UC-CP-114
BVW-35P
I-622-906-15(1)

EK-CP-114
UC-CP-114
BVW-35P
I-597-914-12

MS-22-2-9
I-9 MONITOR SELECT OUT

MS-22-2-10
I-10 CH-2/MONI AUDIO IN

MS-22-2-11
I-11 CH-3 AUDIO IN

MS-22-2-12
I-12 POWER ON MUTE IN

MS-22-2-13
I-13 SAVE +12V IN

MS-22-2-14
I-14 CH-1 AUDIO IN

MS-22-2-15
I-15 GND

MS-22-2-16
I-16 GND

MS-22-2-17
I-17 CH-2 AUDIO IN

MS-22-2-18
I-18 SAVE -12V IN

MS-22-2-19
I-19 GND

MS-22-2-20
I-20 CH-3/MONI AUDIO IN

MS-22-2-21
I-21 CH-4/MONI AUDIO IN

MS-22-2-22
I-22 GND

MS-22-2-23
I-23 GND

MS-22-2-24
I-24 CH-1/MONI SELECT OUT

MS-22-2-25
I-25 GND

MS-22-2-26
I-26 GND

MS-22-2-27
I-27 GND

MS-22-2-28
I-28 GND

MS-22-2-29
I-29 GND

MS-22-2-30
I-30 GND

MS-22-2-31
I-31 GND

MS-22-2-32
I-32 GND

MS-22-2-33
I-33 GND

MS-22-2-34
I-34 GND

MS-22-2-35
I-35 GND

MS-22-2-36
I-36 GND

MS-22-2-37
I-37 GND

MS-22-2-38
I-38 GND

MS-22-2-39
I-39 GND

MS-22-2-40
I-40 GND

MS-22-2-41
I-41 GND

MS-22-2-42
I-42 GND

14-180

14-179

A

B

C

D

E

F

G

H

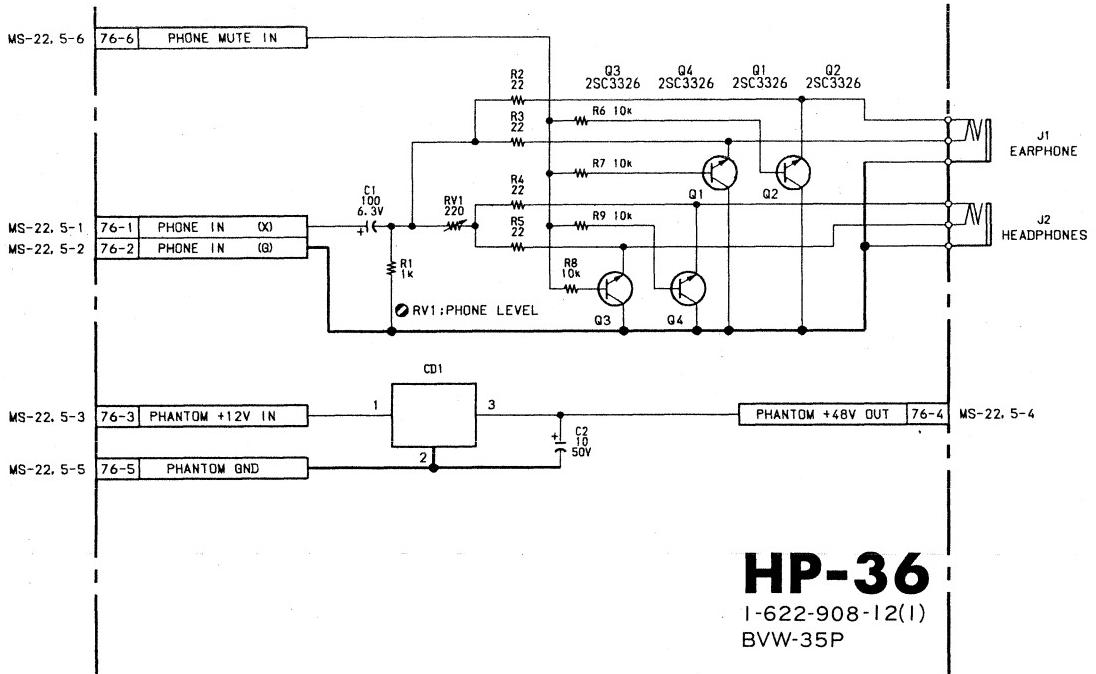
5

3

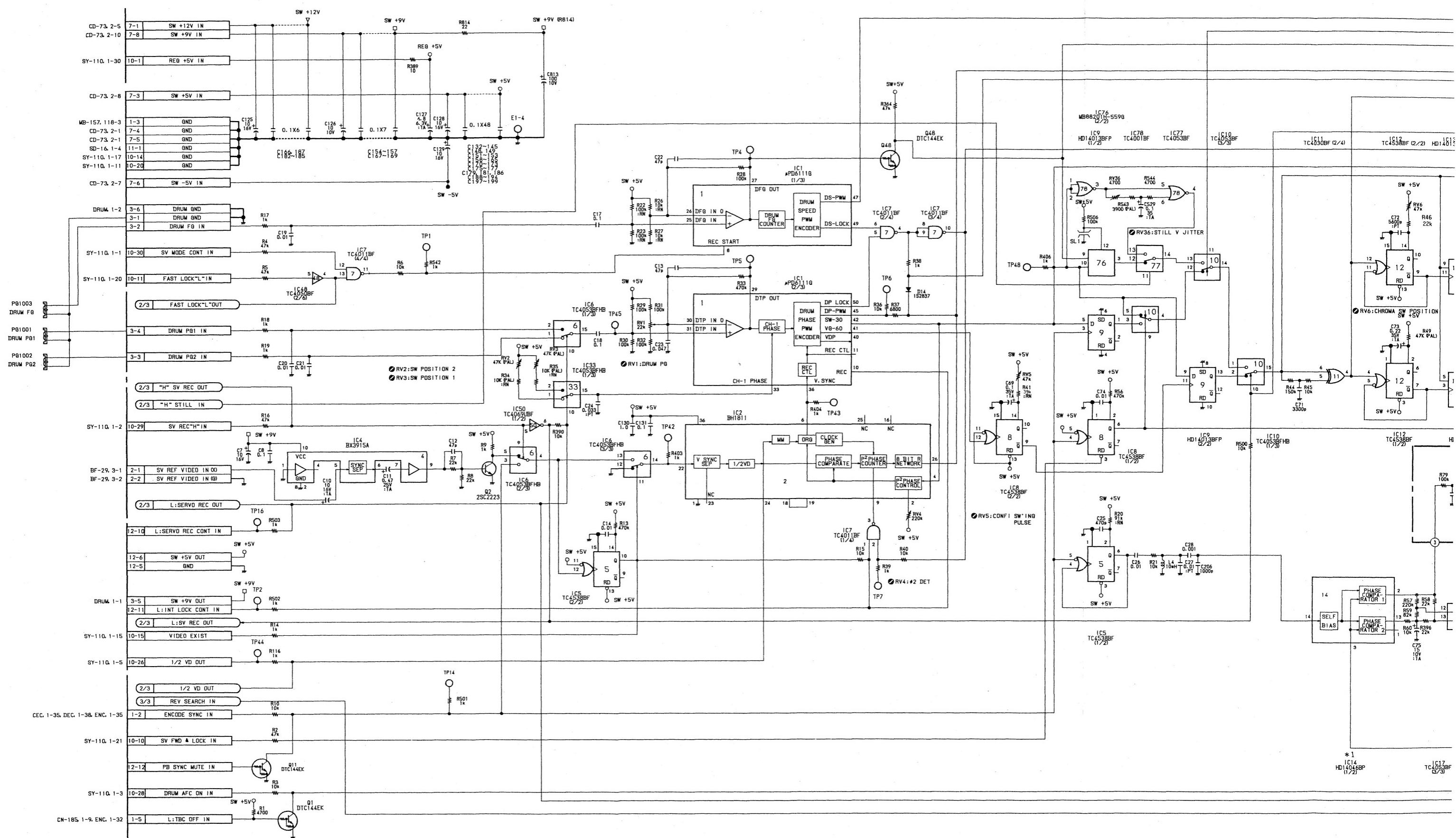
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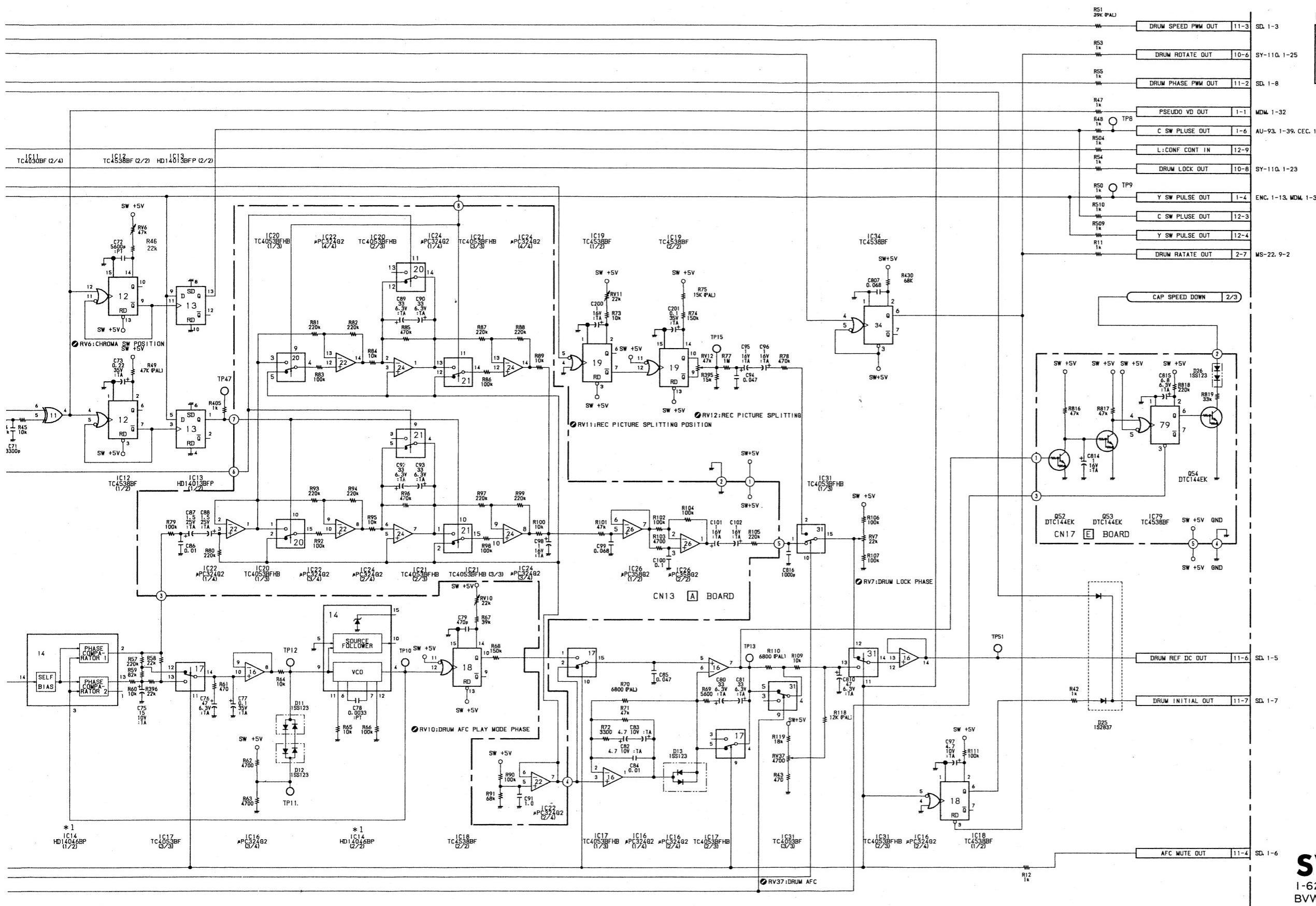
1

HP-36; HEADPHONES/EARPHONE

**HP-36**I-622-908-12(1)
BVW-35P

Y-94P(1/3); SERVO SYSTEM

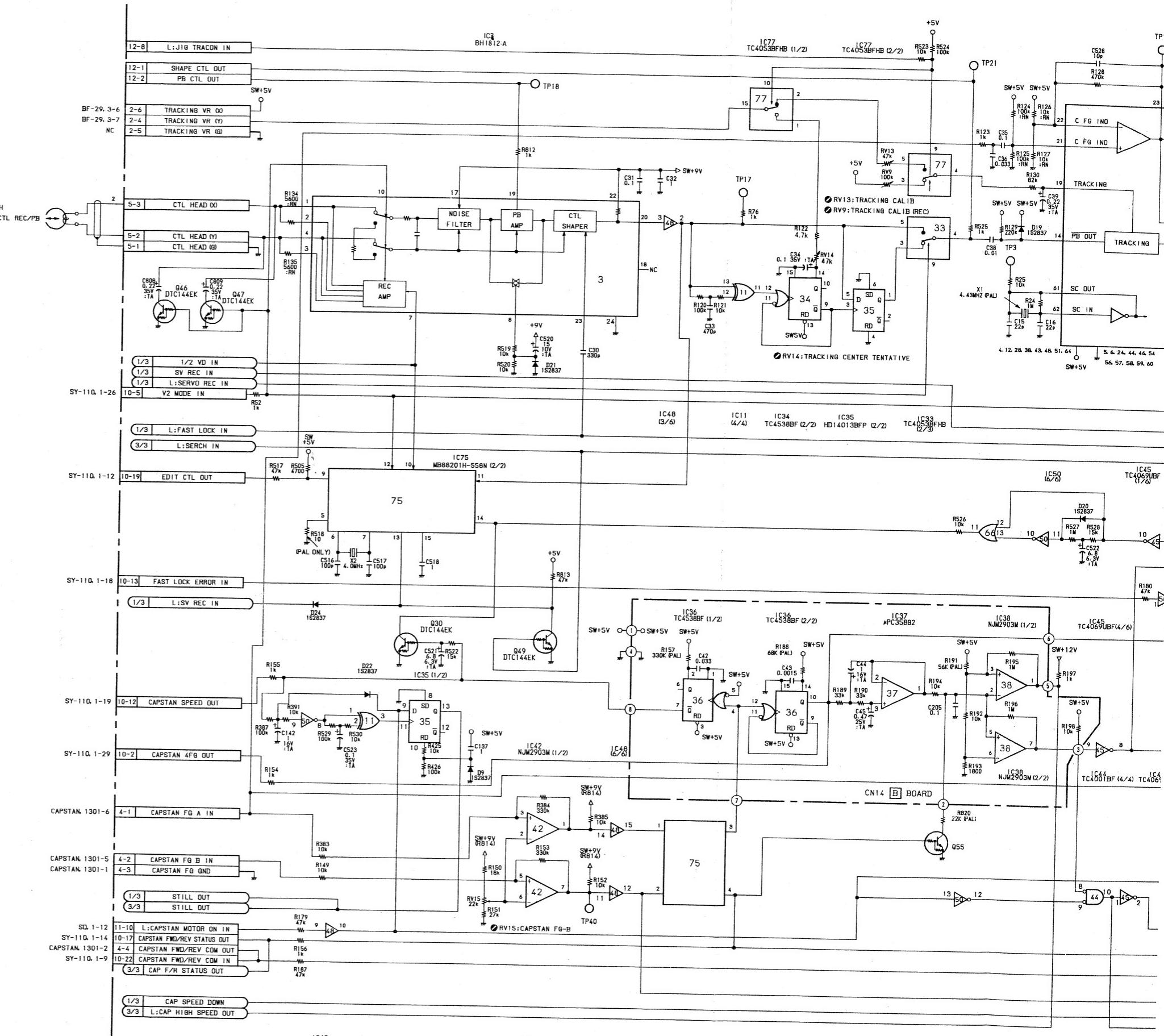




NOTE:			
MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	5-I 5-J	IC14 CHANGED MC14046BCP ↓ HD14046BP	EK; 12049-

SV-94P(1/3)
I-622-89 I-15(2)
RVW-35P

S' 94P(2/3); SERVO SYSTEM



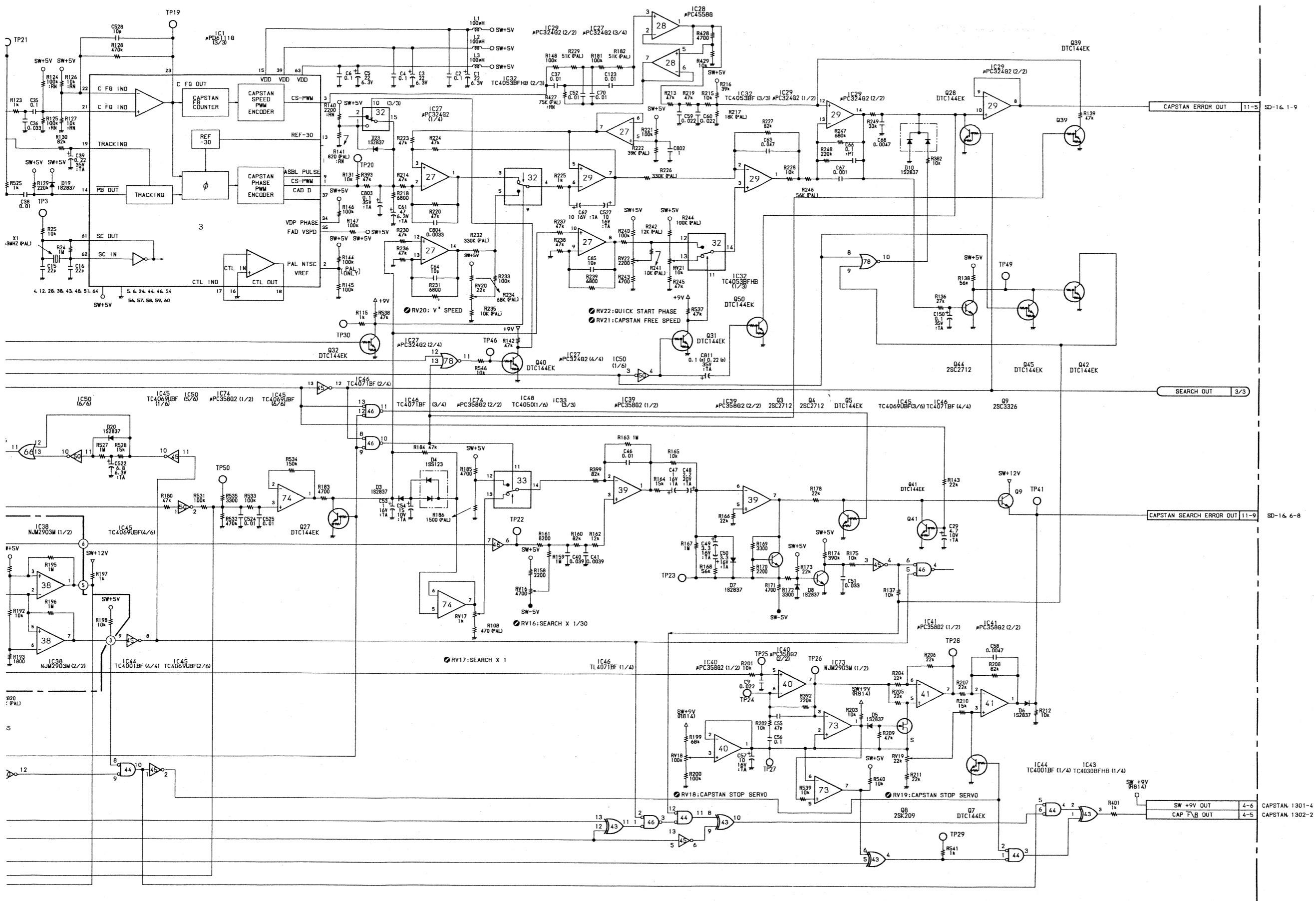
14-195

A

B

1

14-196

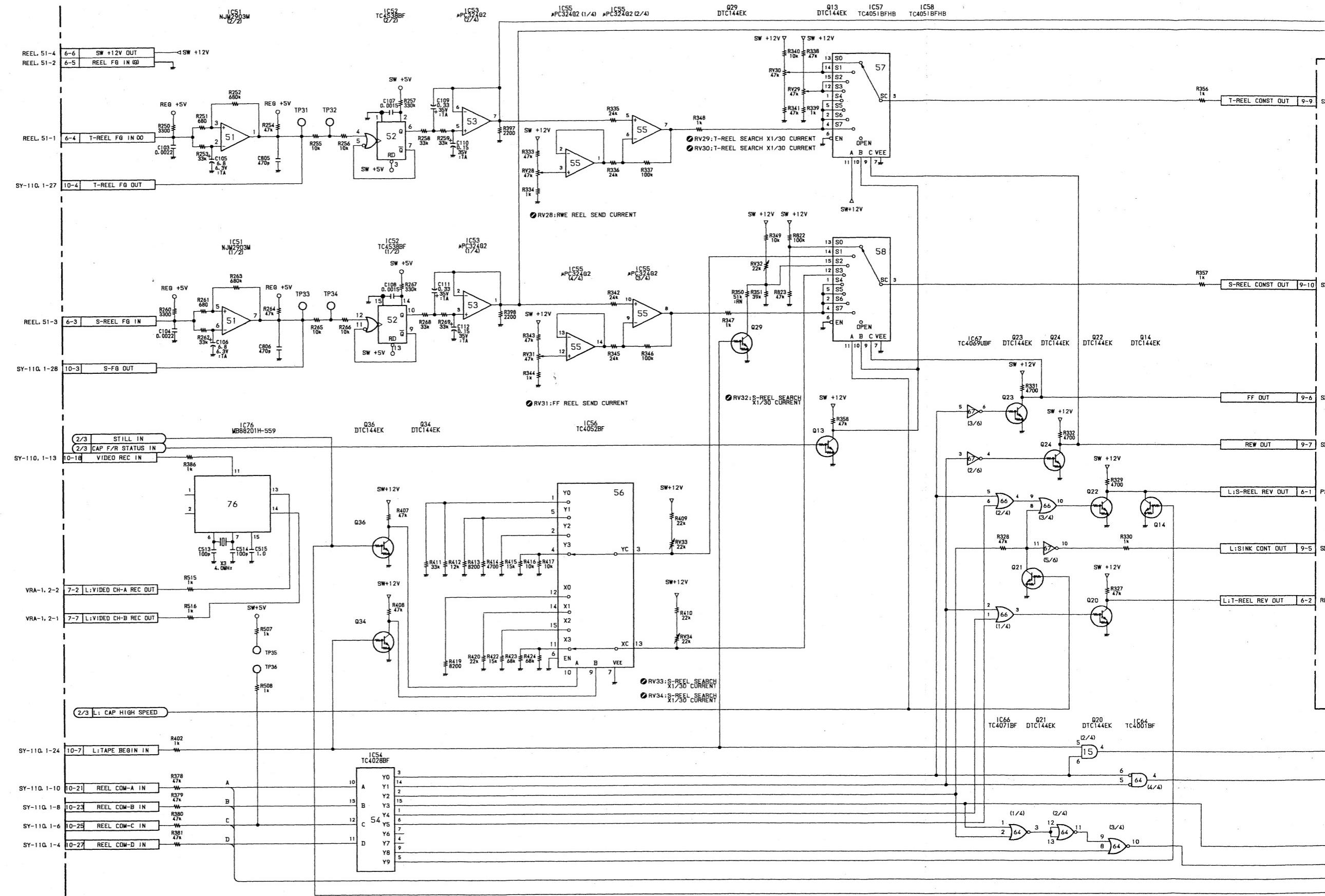


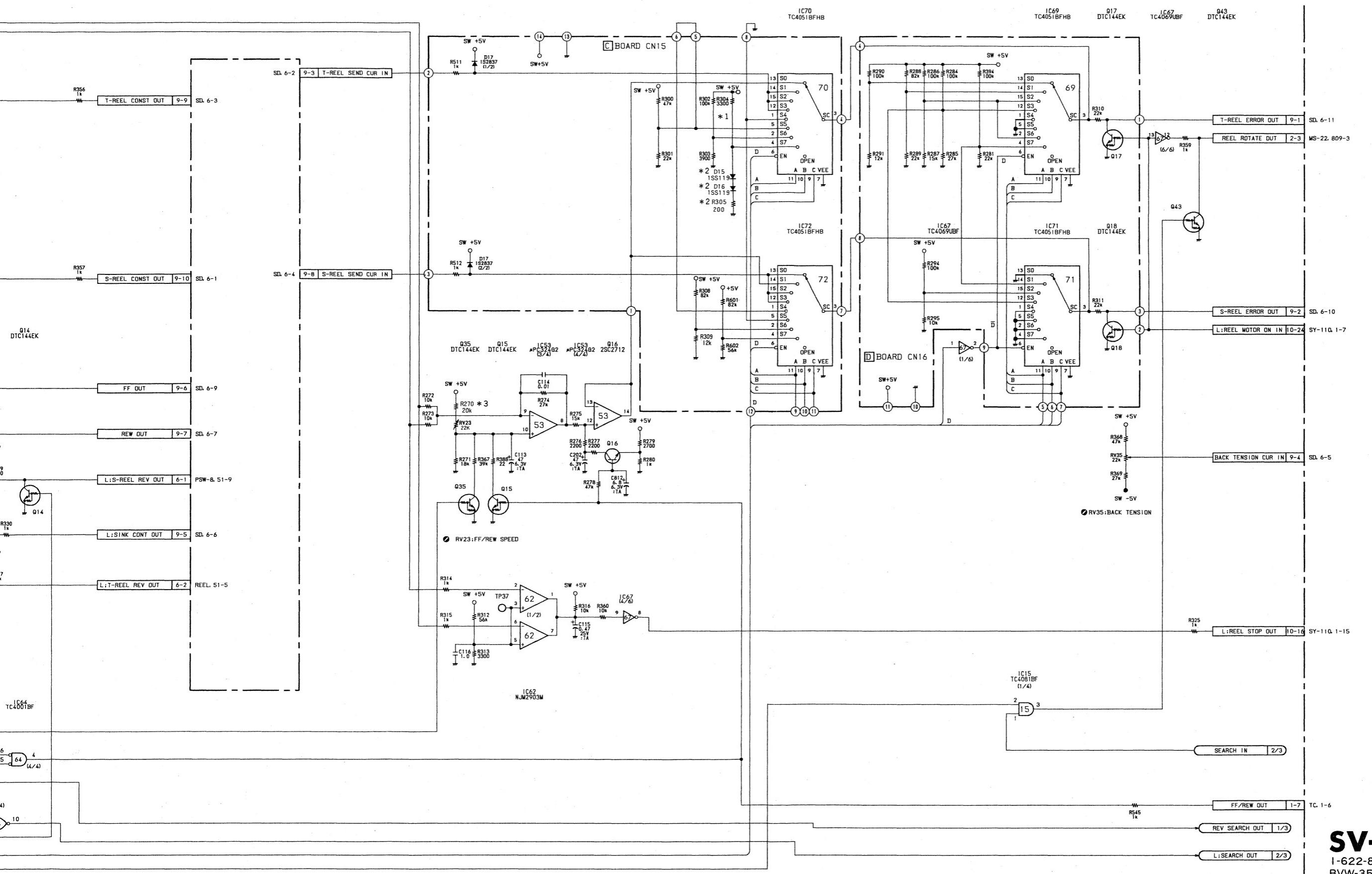
SV-94P(2/3)
I-622-891-15(1)
BVW-35P

-94P(3/3); SERVO SYSTEM

NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	1-L	R304 CHANGED 82k → 3300	
* 2	2-L	ADDED D15, D16 R305 CHANGED 27k → 200	EK; 11969-
* 3	3-J	R270 33k → 20k	EK; 12283-



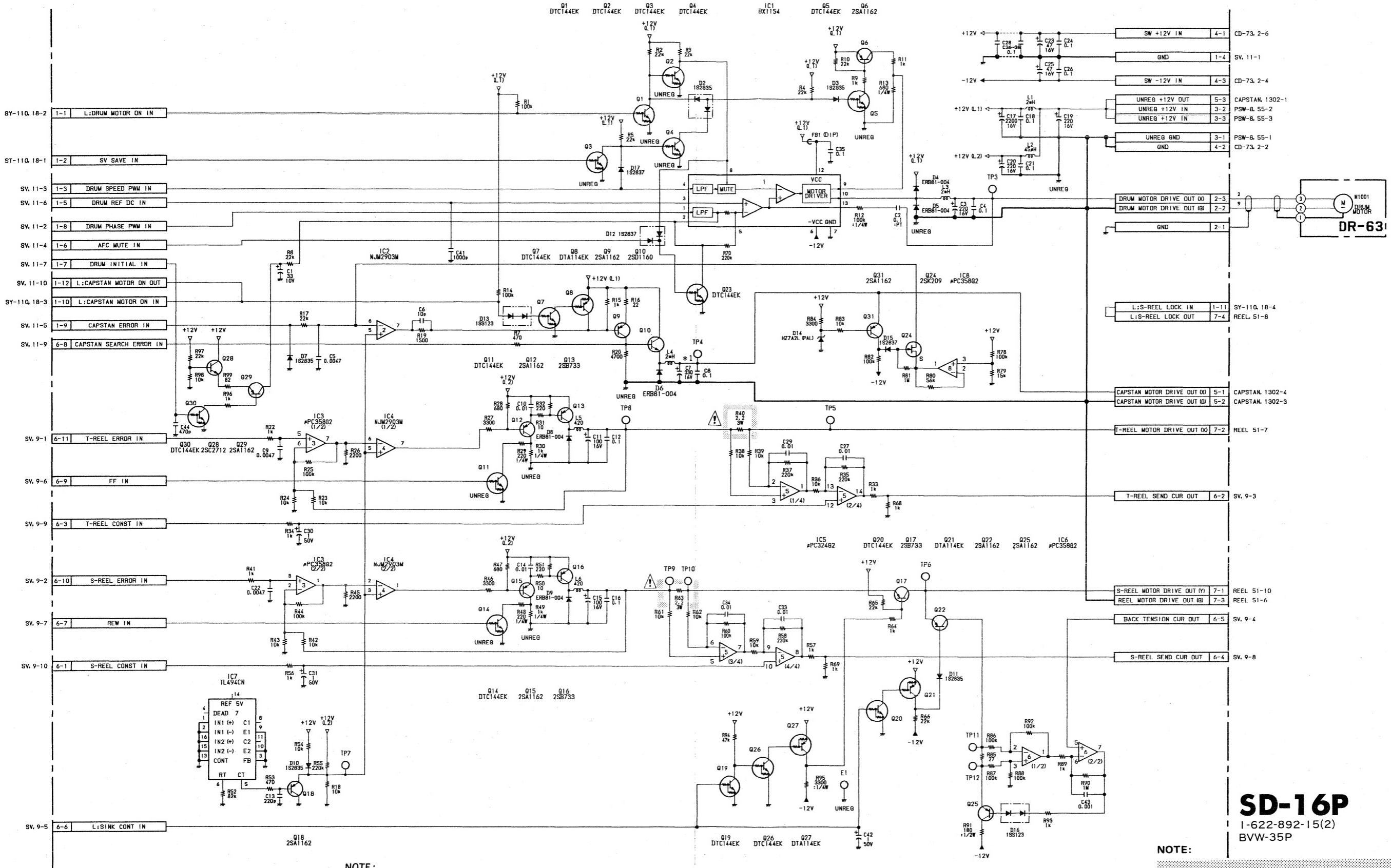


14-205

14-206

SV-94P(3/3)
I-622-891-15(2)
BVW-35P

**SD-16P; SERVO DRIVER
DR-63; DRUM MOTOR**



NOTE:

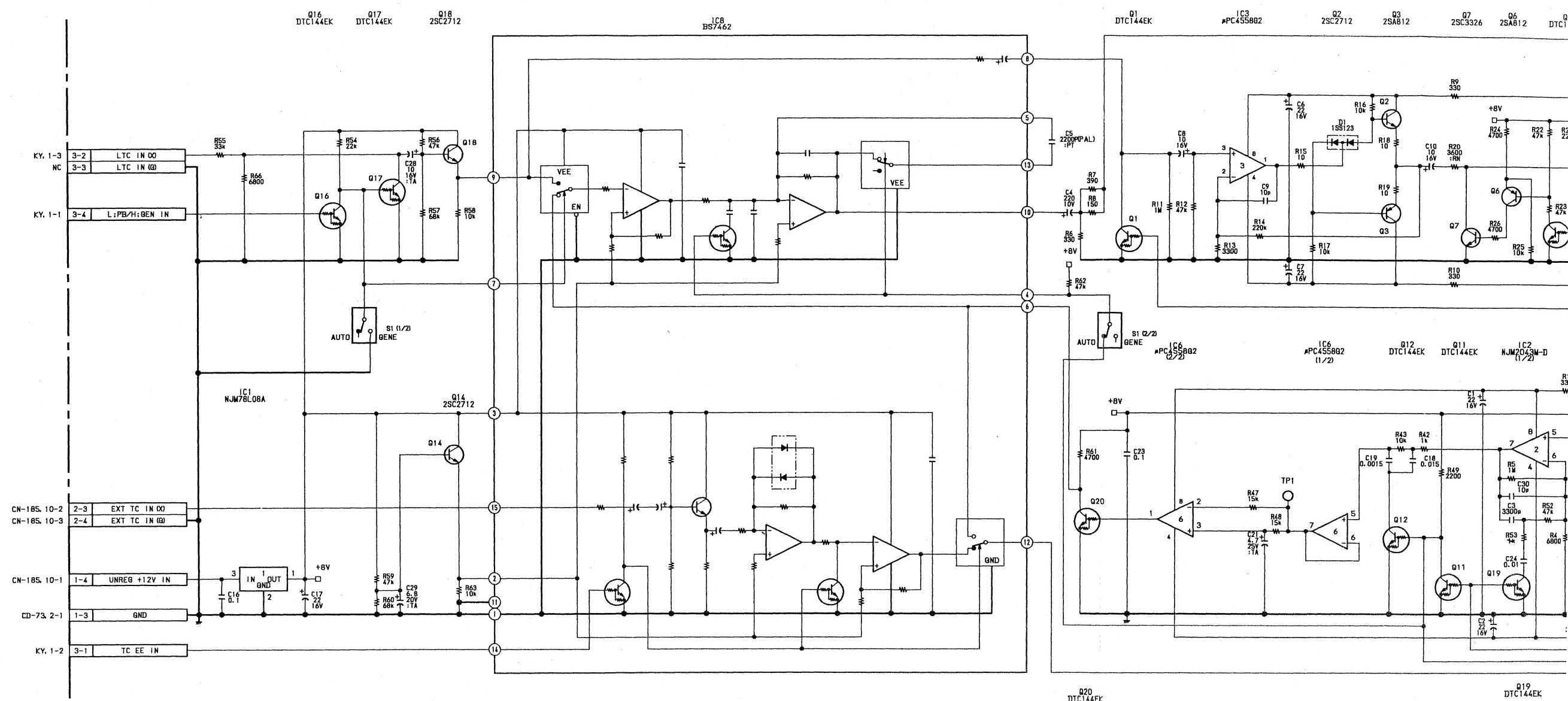
MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	3-D	C7 CHANGED 100/16V → 330/16V	EK; 12049-

NOTE:

The shaded and -marked components are critical to safety.
Replace only with same components as specified.

SD-16PI-622-892-15(2)
BVW-35P

TC-45P; TIME CODE REC/PB AMPLIFIER



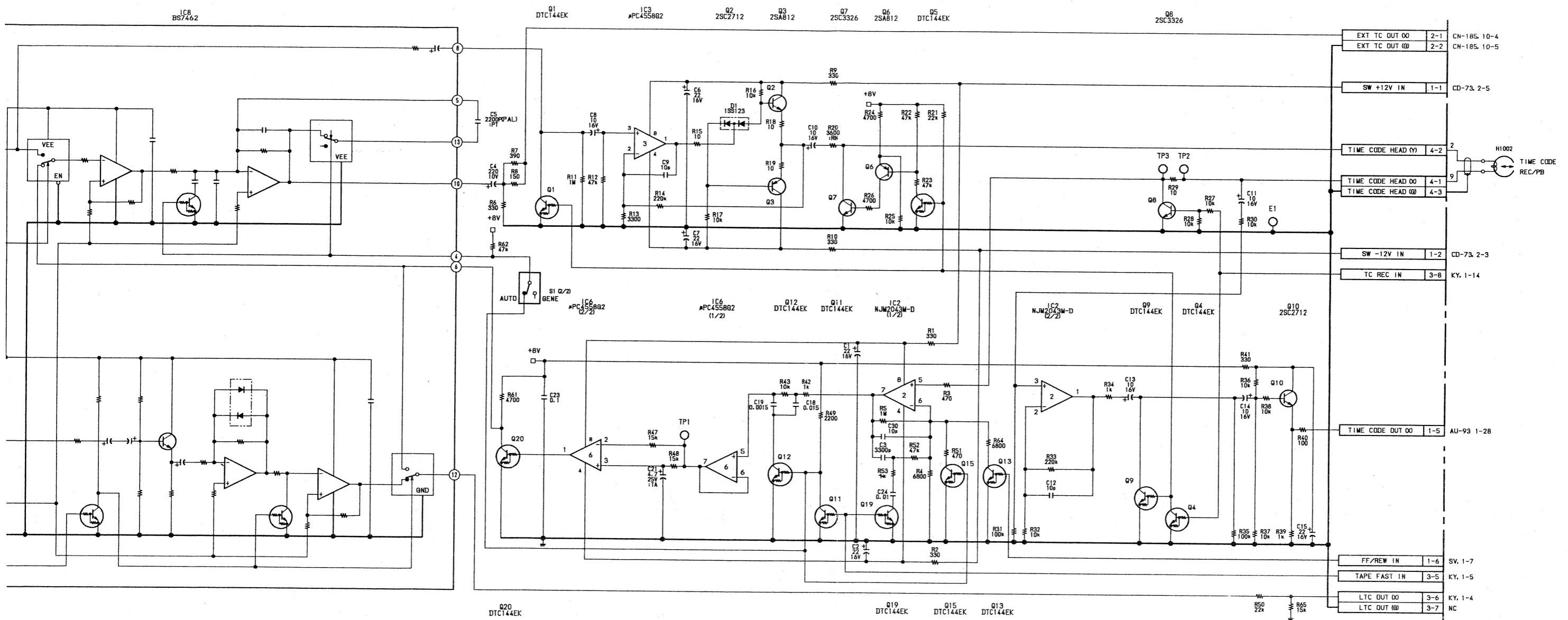
14-21

14-215

A

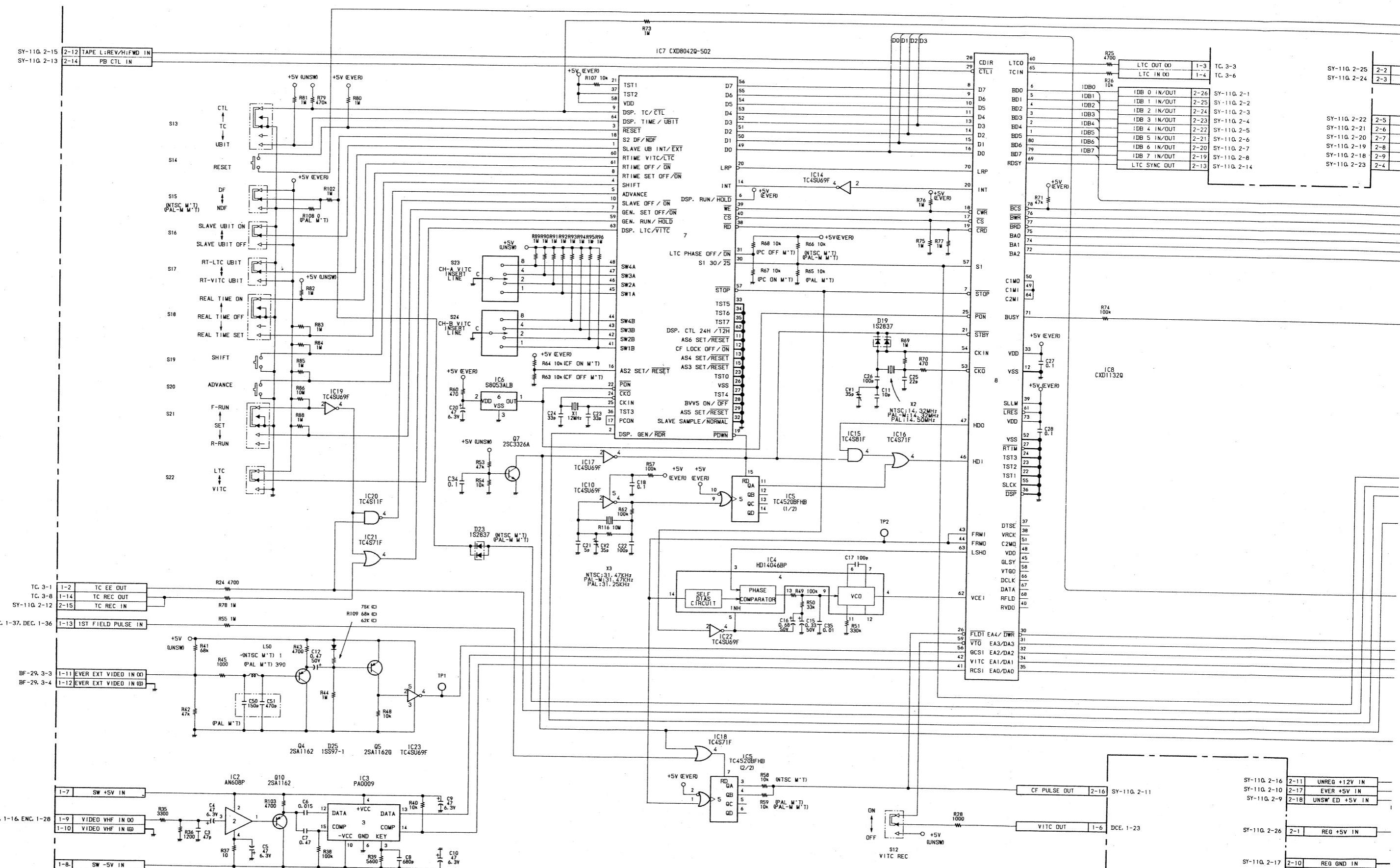
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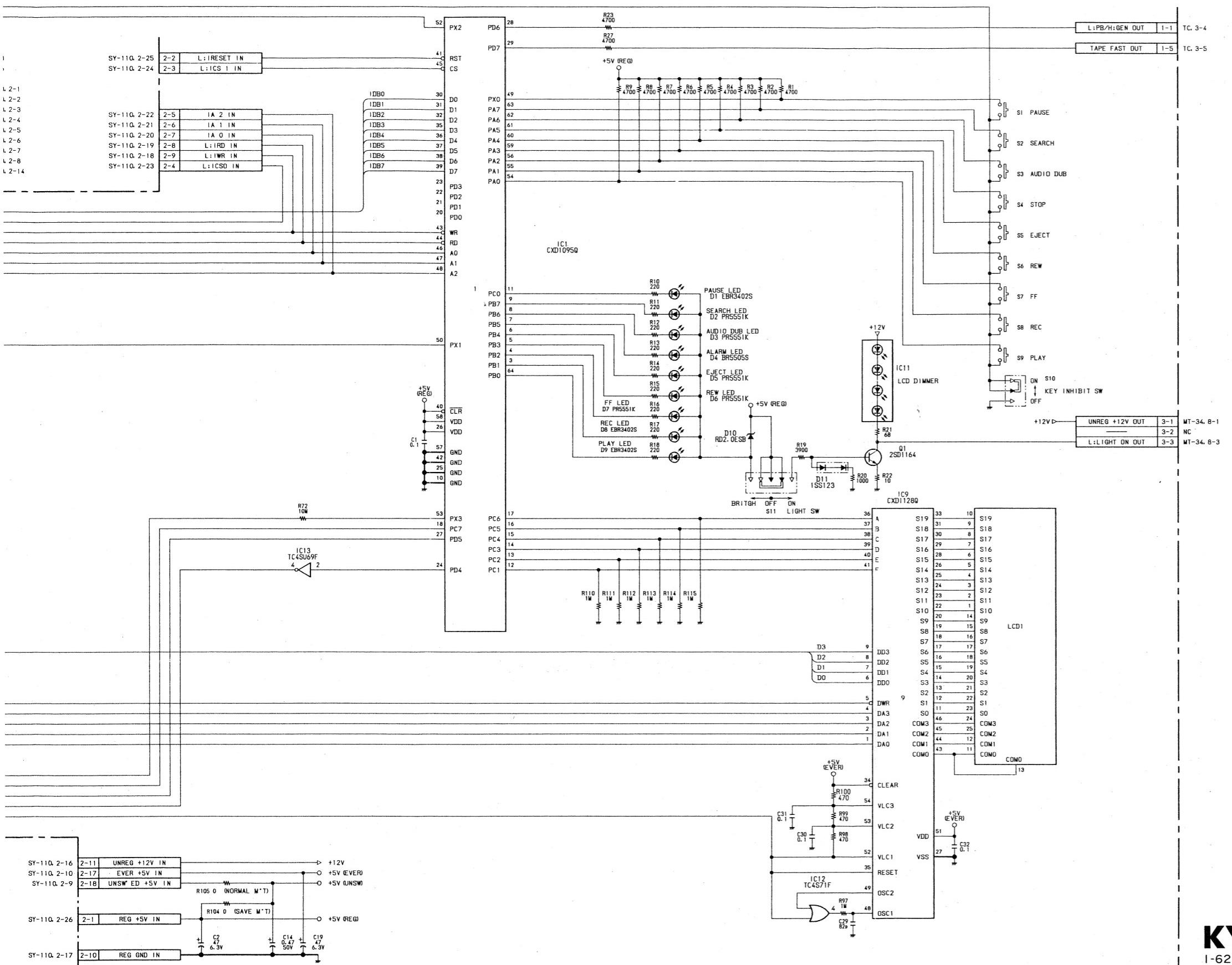
1



TC-45P
I-622-895-15(1)
BVW-35P

KY110P; FUNCTION KEY
TIME CODE





S-110; SYSTEM CONTROL

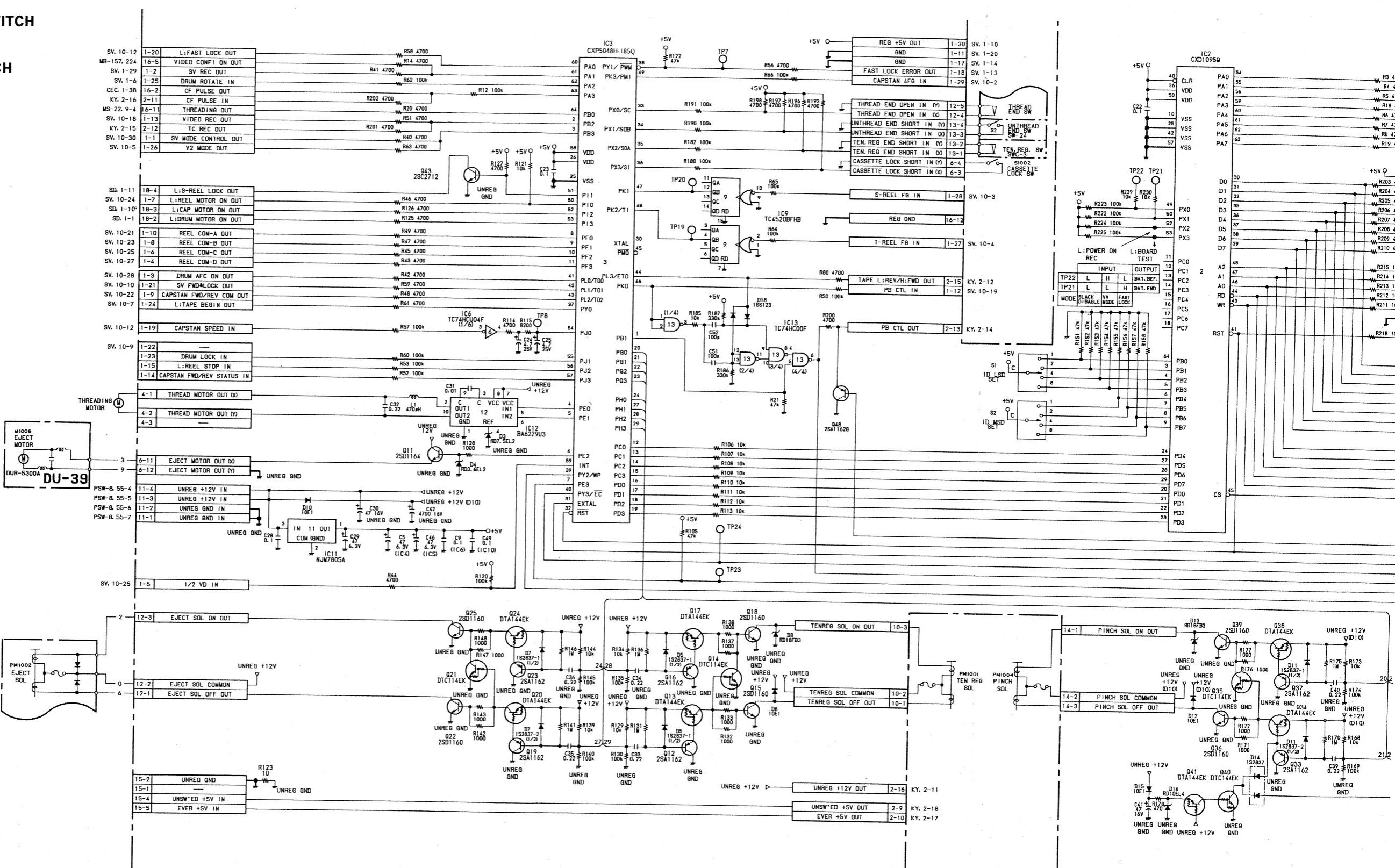
C-22; SP CASSETTE-IN SWITCH

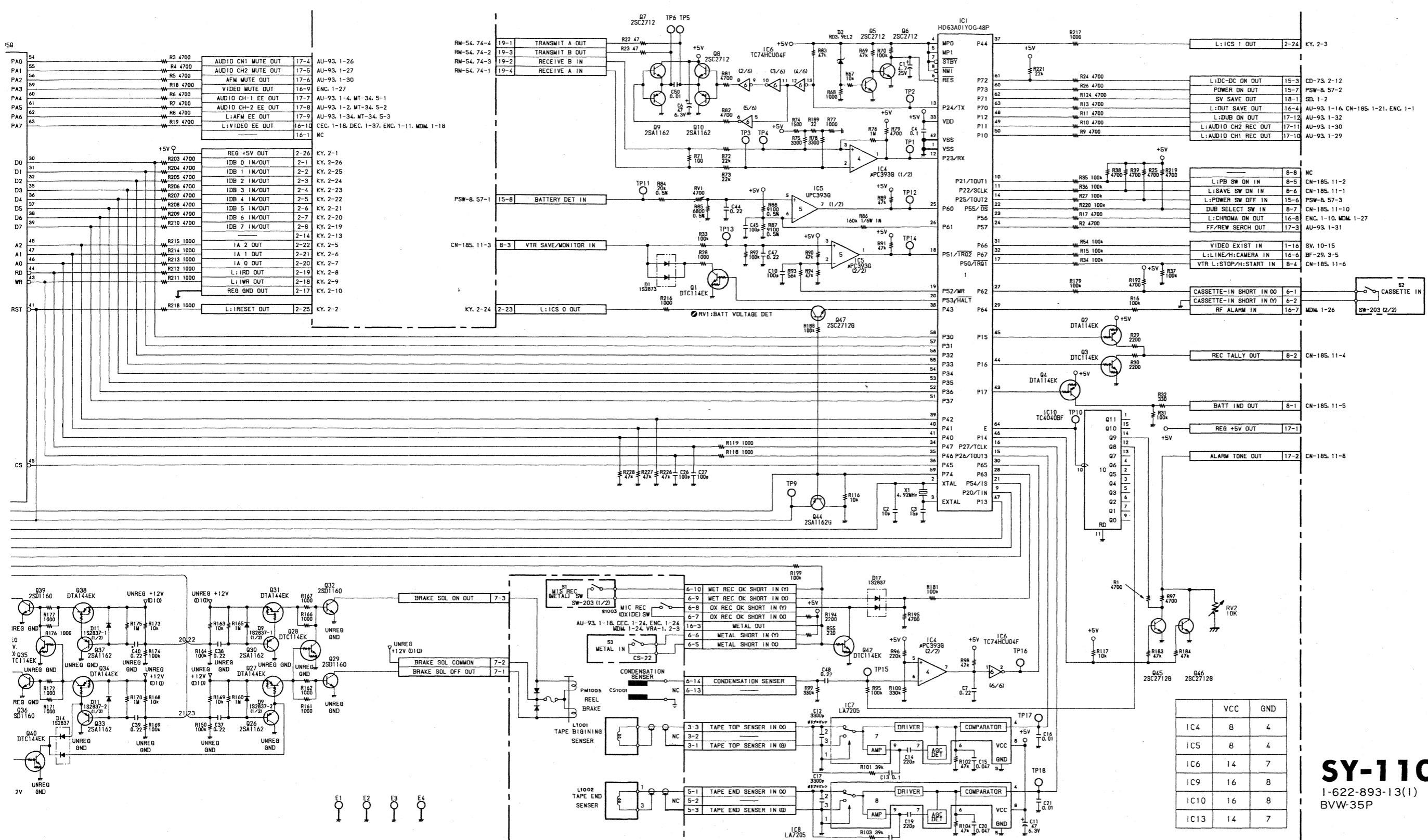
DU-39; EJECT MOTOR

S-203; MISS REC/CASSETTE-IN SWITCH

SW-24; UNTHREADING-END SWITCH

SWC-3; TENSION REGULATOR SWITCH





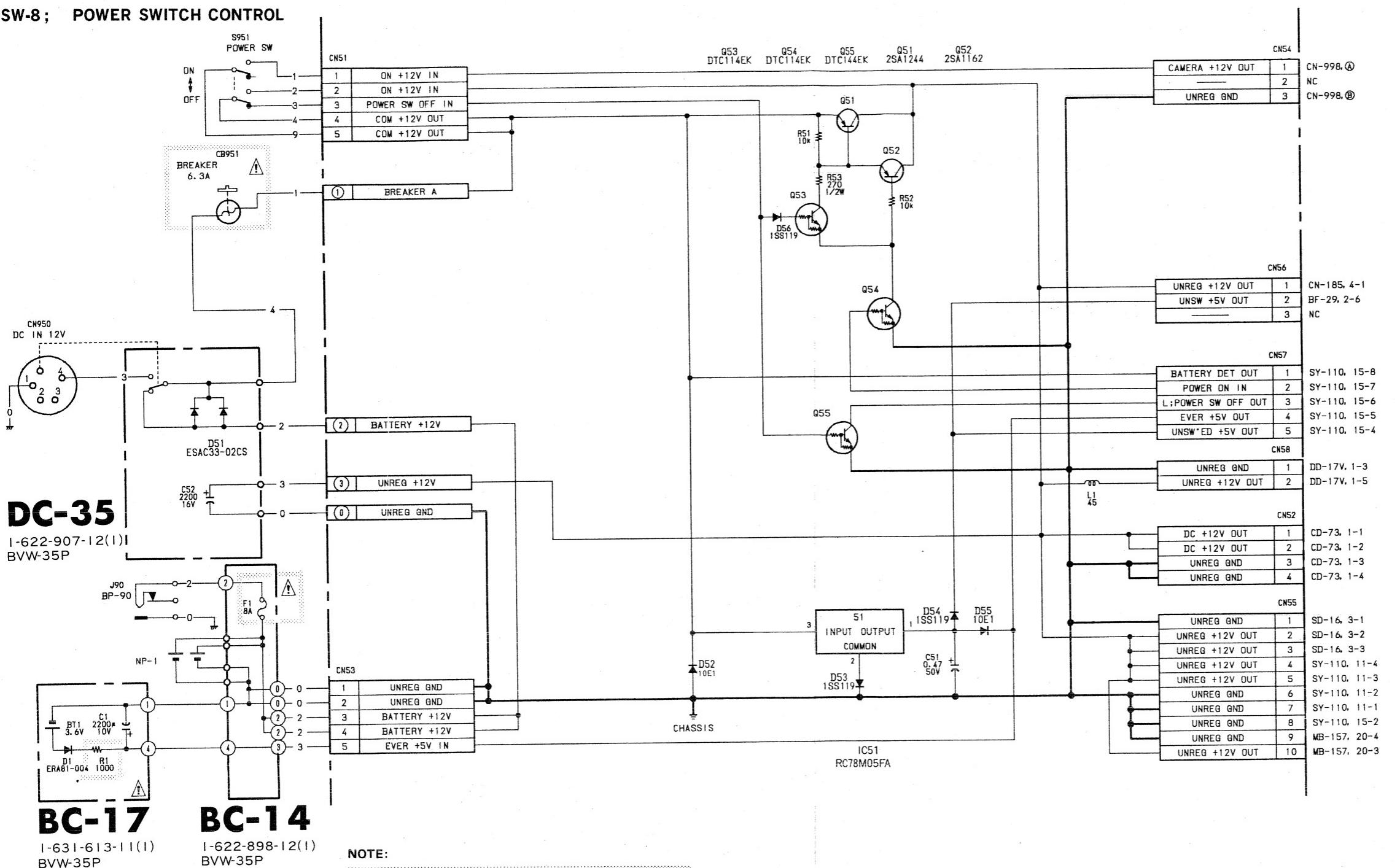
BC-14; BATTERY

BC-17; BATTERY

DC-35; DC IN

DIODE

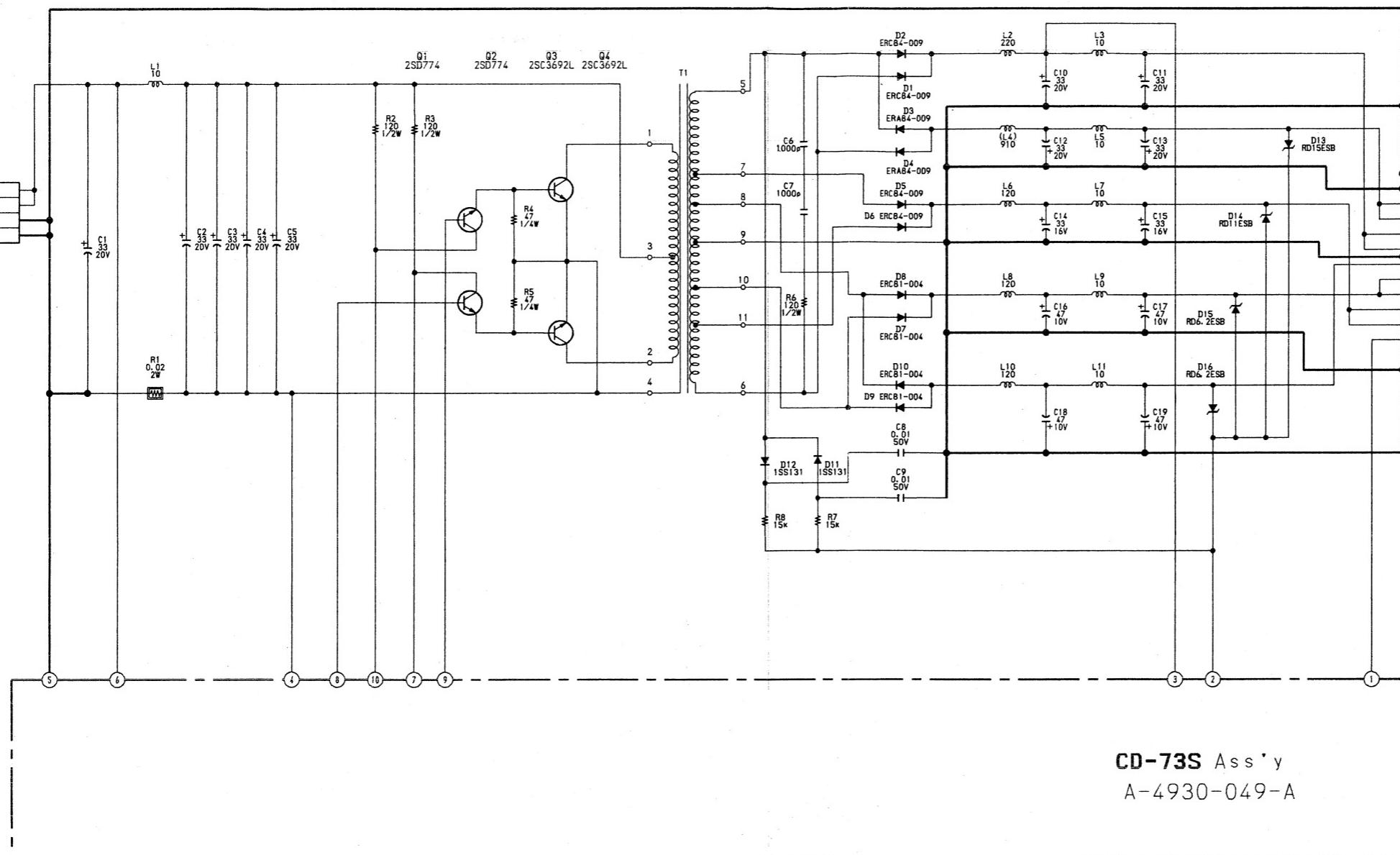
PSW-8; POWER SWITCH CONTROL



DC-DC CONV. **DC-DC CONV.**

DC-DC CONVERTER

PSW-8,52-1
PSW-8,52-2
PSW-8,52-3
PSW-8,52-4



CN1	GND	1	MB-157,9-4
PSW-8,52-1	+12V IN	2	SD-16P,4-2
PSW-8,52-2	+12V IN	3	MB-157,9-6
PSW-8,52-3	GND	4	SD-16P,4-3
PSW-8,52-4	GND	5	MB-157,9-1
		6	SD-16P4-1
		7	MB-157,9-5
		8	MB-157,20-1
		9	MB-157,9-3
		10	MB-157,20-2
		11	MB-157,9-2
		12	SY-110,15-3

CD-73S Ass'y
A-4930-049-A

DC-DC CONVERTER
BVW-35P

14-239

14-240

A

B

C

D

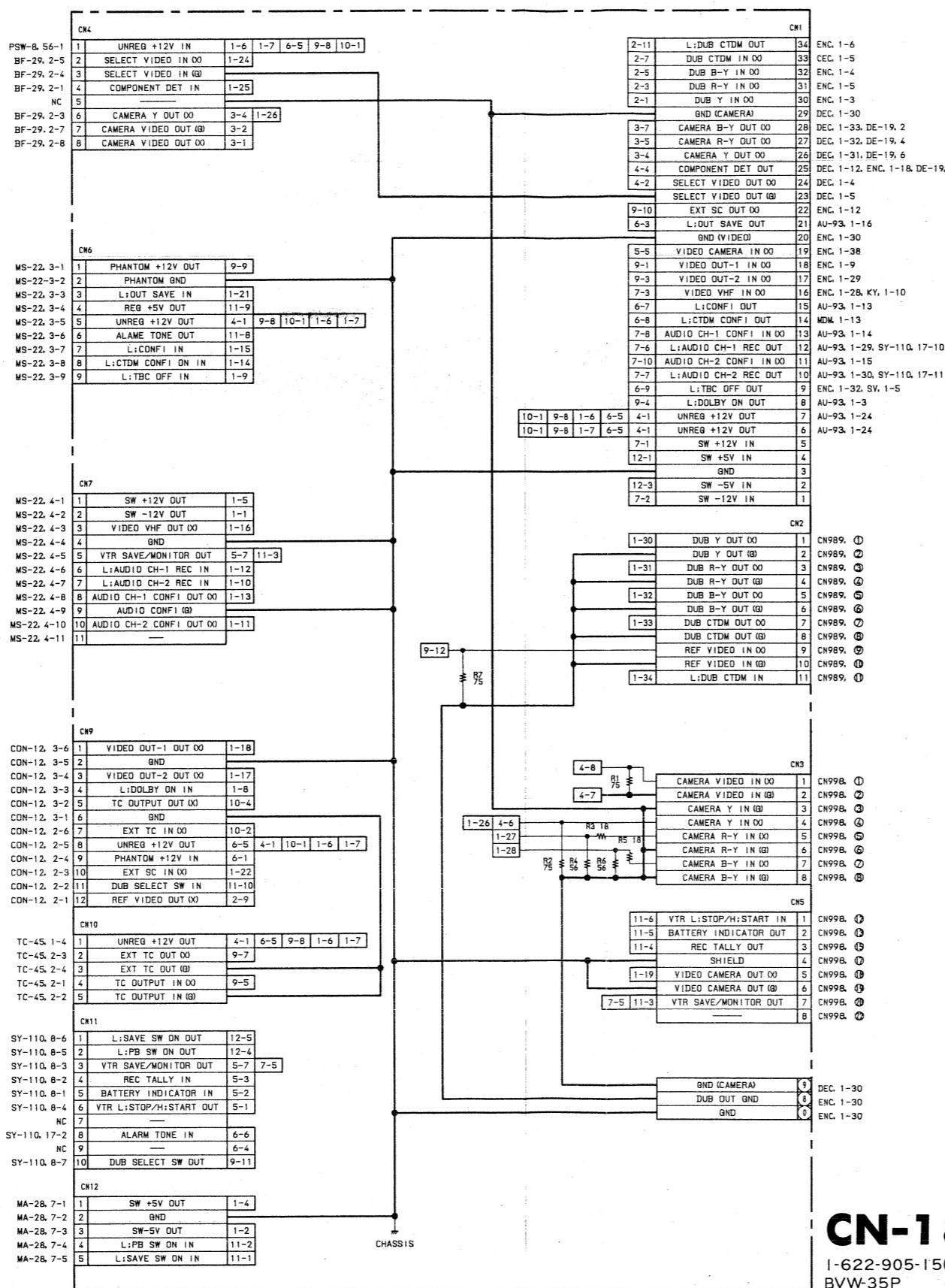
E

F

G

H

CN-185; CP CONNECTION BOARD

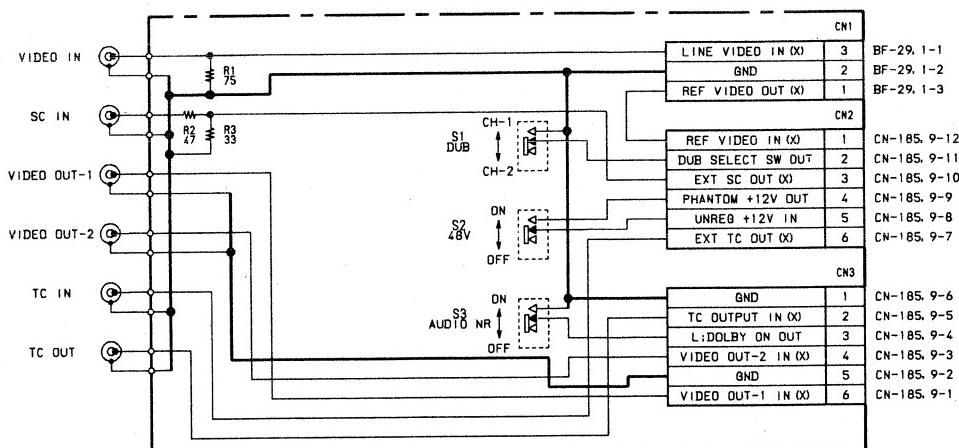


CN-185

I-622-905-15(1)
BVW-35P

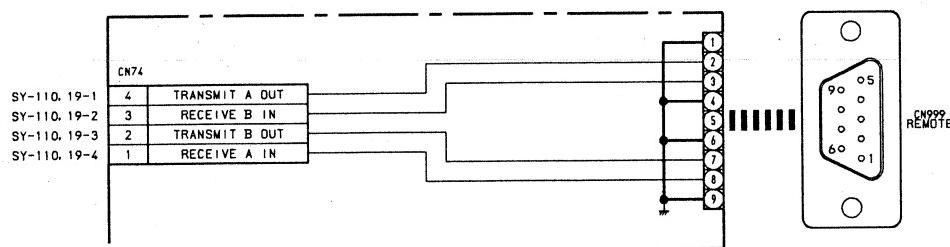
CON-12, RM-54, RMD-1

CON-12; BNC CONNECTOR
RM-54; 9P REMOTE CONTROL
RMD-1; RF MODULATOR

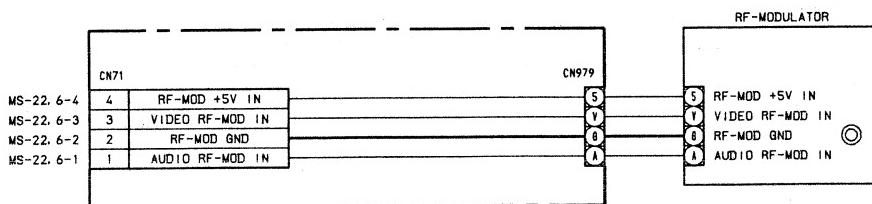


CON-12

I-622-913-13(1)
BVW-35P

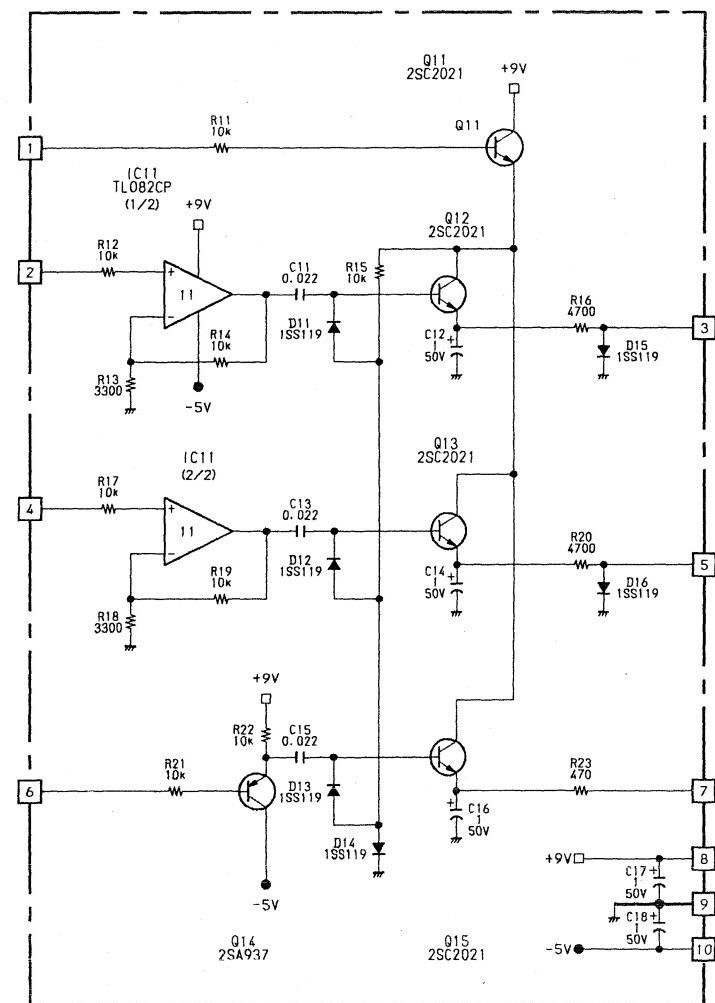


RM-54
I-622-910-11(1)
BVW-35P



RMD-1
I-622-911-13(1)
BVW-35P

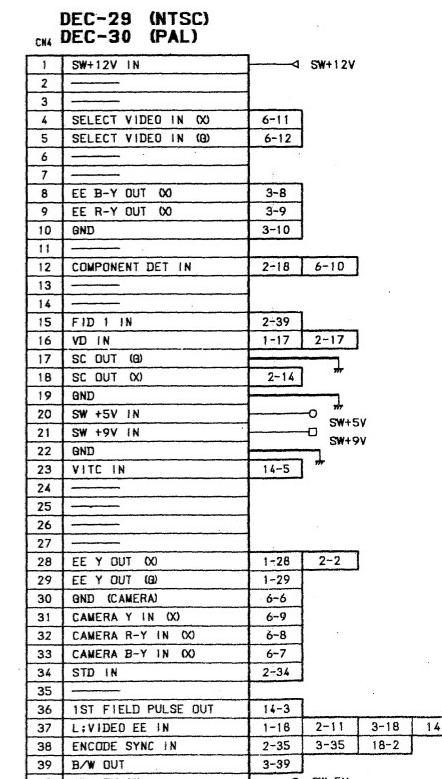
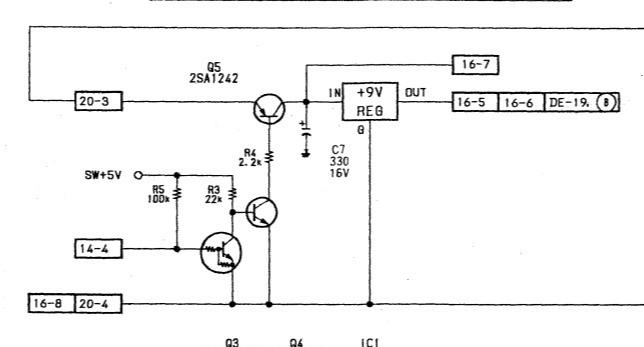
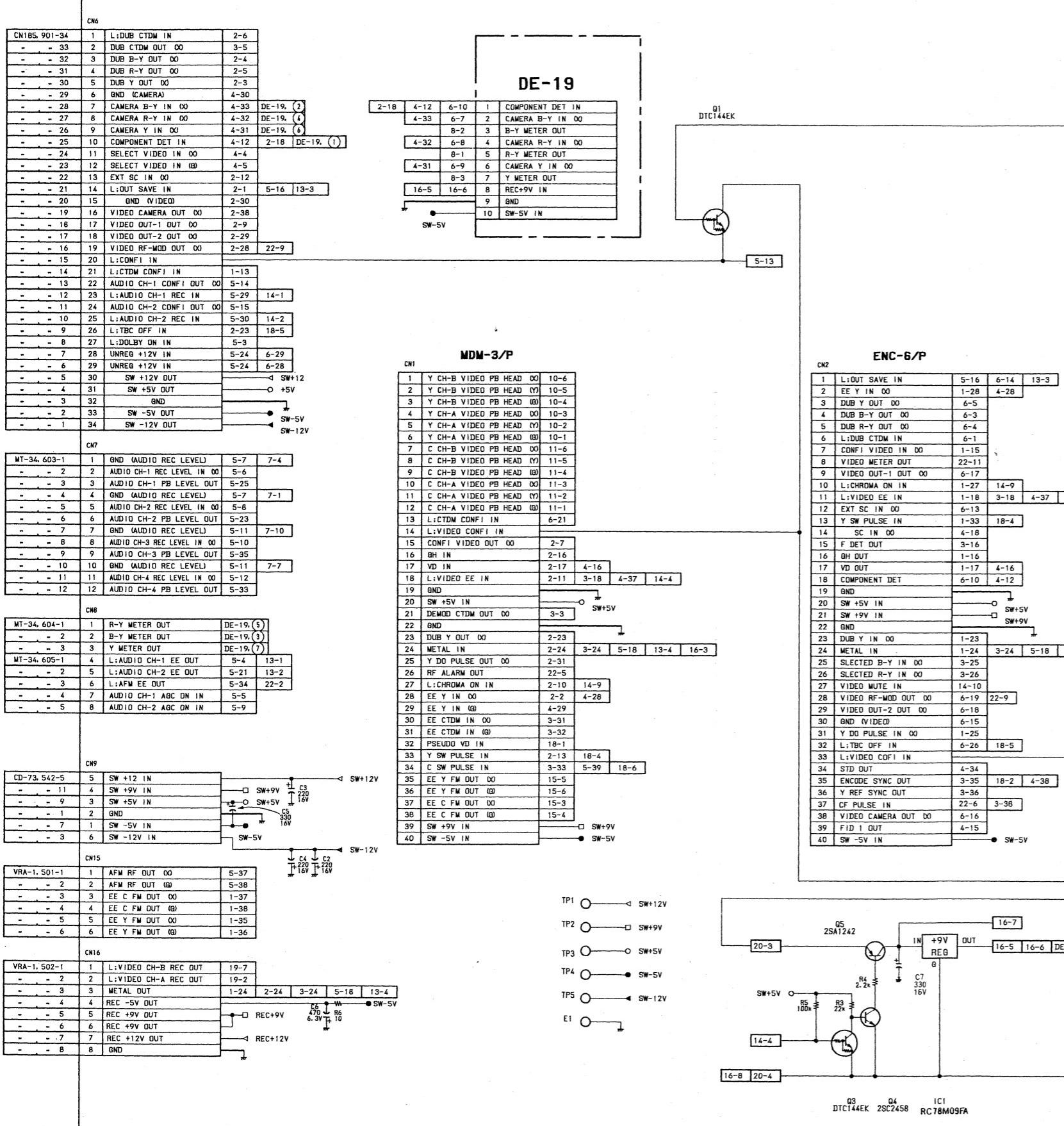
DE-19; LEVEL DETECTOR



DE-19

I-622-871-12(1)
BVW-35P

MB-157; MOTHER BOARD



MB-157; MOTHER BOARD

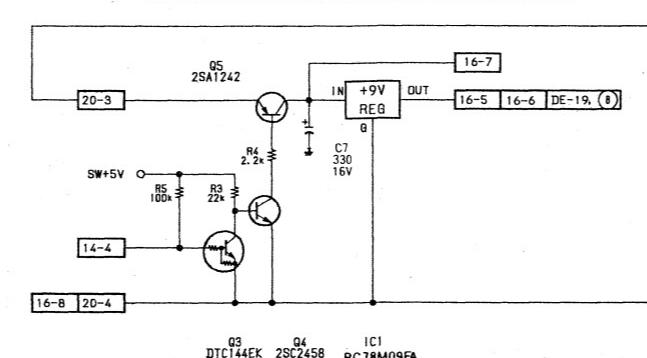
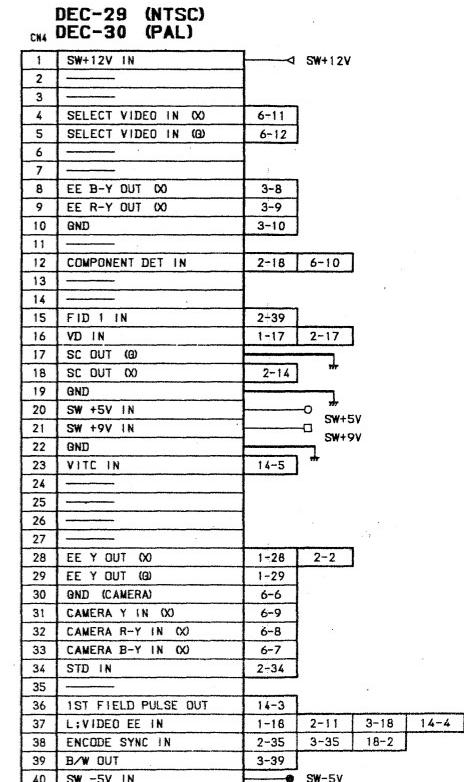
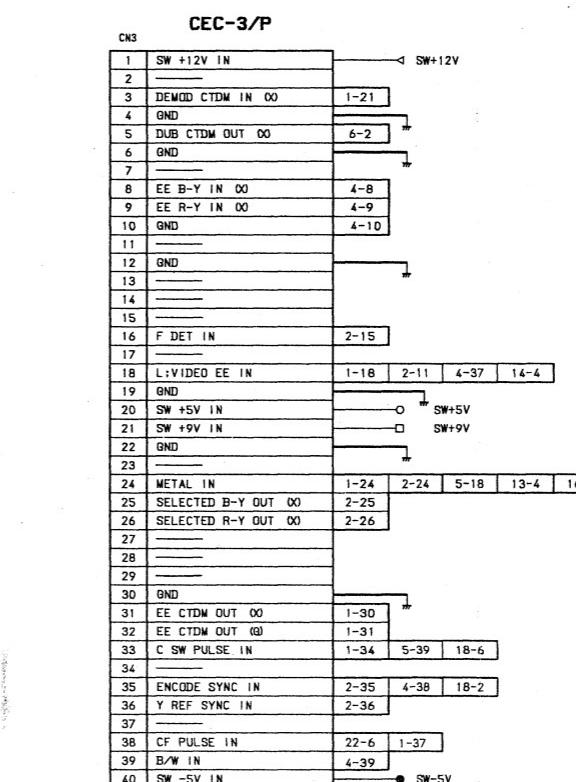
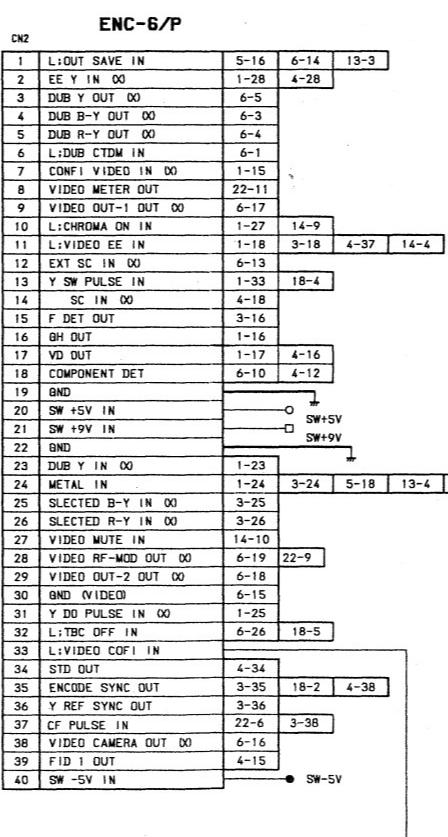
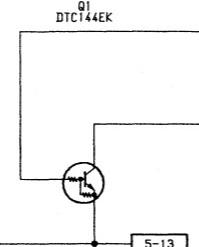
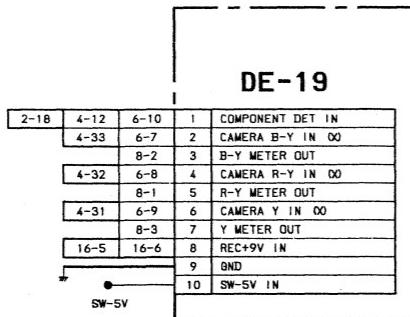
CN6		
CN185_901-34	1 L:DUB CTDM IN	2-6
- - 33	2 DUB CTDM OUT 00	3-5
- - 32	3 DUB B-Y OUT 00	2-4
- - 31	4 DUB R-Y OUT 00	2-5
- - 30	5 DUB Y OUT 00	2-3
- - 29	6 GND (CAMERA)	4-30
- - 28	7 CAMERA B-Y IN 00	4-33 DE-19, (5)
- - 27	8 CAMERA R-Y IN 00	4-32 DE-19, (4)
- - 26	9 CAMERA Y IN 00	4-31 DE-19, (6)
- - 25	10 COMPONENT DET IN	4-12 2-18 DE-19, (1)
- - 24	11 SELECT VIDEO IN 00	4-4
- - 23	12 SELECT VIDEO IN 00	4-5
- - 22	13 EXT SC IN 00	2-12
- - 21	14 L:OUT SAVE IN	2-1 5-16 13-3
- - 20	15 GND (VIDEO)	2-30
- - 19	16 VIDEO CAMERA OUT 00	2-38
- - 18	17 VIDEO OUT-1 OUT 00	2-9
- - 17	18 VIDEO OUT-2 OUT 00	2-29
- - 16	19 VIDEO RF-MOD OUT 00	2-28 22-9
- - 15	20 L:CONF1 IN	
- - 14	21 L:CTDM CONF1 IN	1-13
- - 13	22 AUDIO CH-1 CONF1 OUT 00	5-14
- - 12	23 L:AUDIO CH-1 REC IN	5-29 14-1
- - 11	24 AUDIO CH-2 CONF1 OUT 00	5-15
- - 10	25 L:AUDIO CH-2 REC IN	5-30 14-2
- - 9	26 L:TBC OFF IN	2-23 18-5
- - 8	27 L:DOLBY IN IN	5-3
- - 7	28 UNREG +12V IN	5-24 6-29
- - 6	29 UNREG -12V IN	5-24 6-28
- - 5	30 SW +12V OUT	SW+12
- - 4	31 SW +5V OUT	+5V
- - 3	32 GND	
- - 2	33 SW -5V OUT	SW-5V
- - 1	34 SW -12V OUT	SW-12V

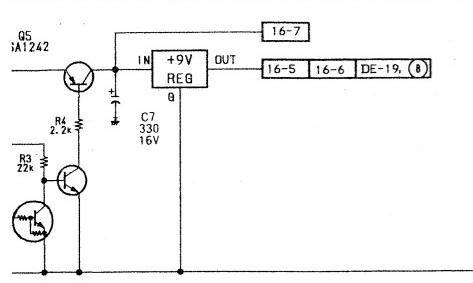
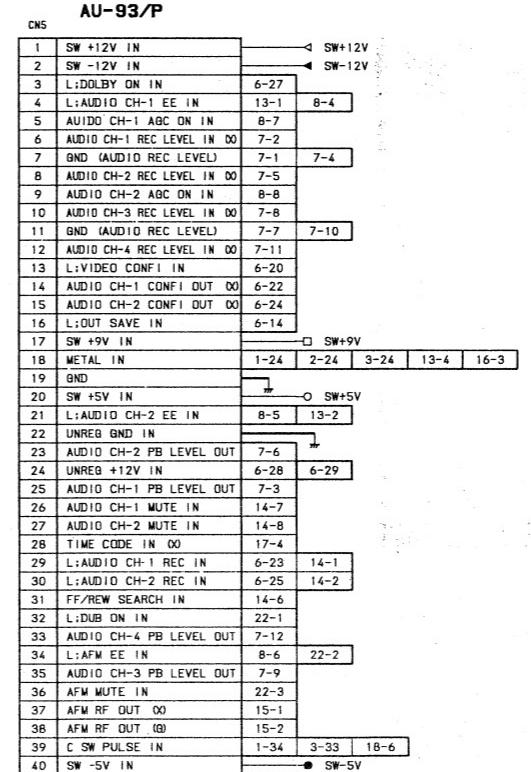
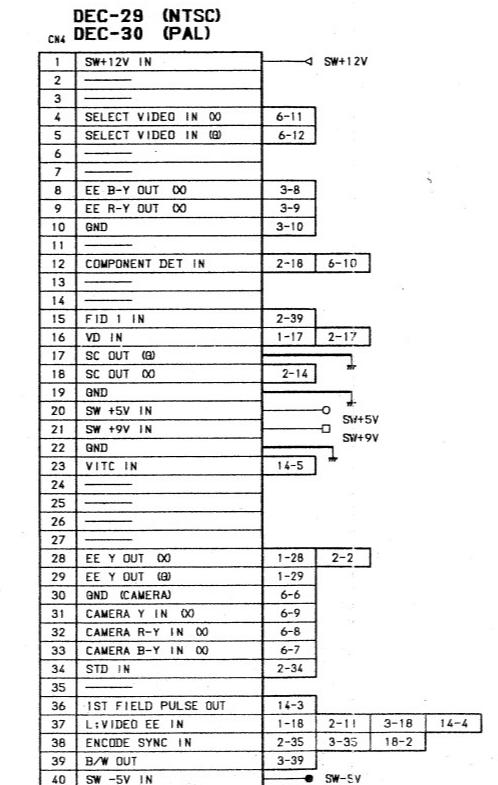
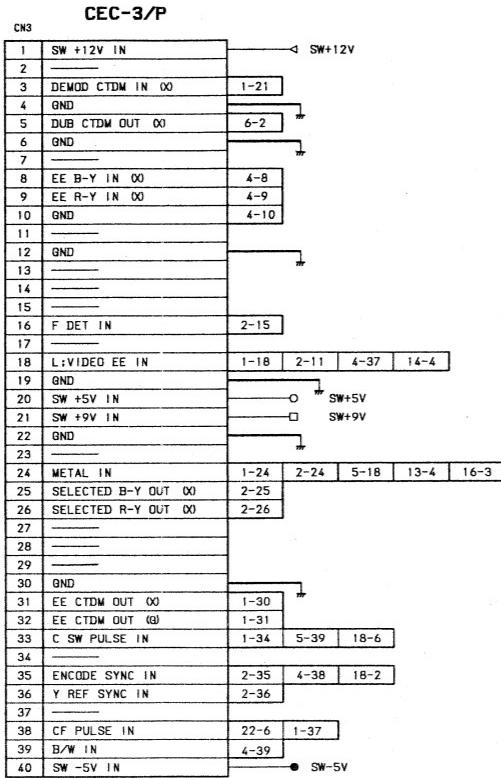
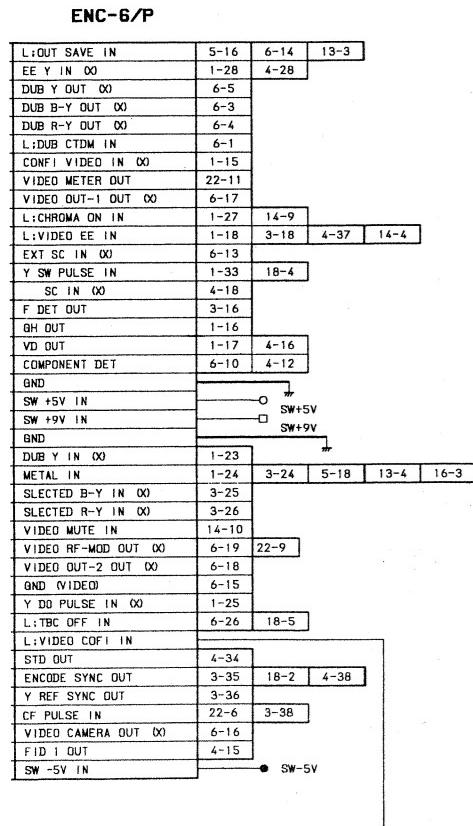
CN7		
MT-34_603-1	1 GND (AUDIO REC LEVEL)	5-7 7-4
- - 2	2 AUDIO CH-1 REC LEVEL IN 00	5-6
- - 3	3 AUDIO CH-1 PB LEVEL OUT	5-25
- - 4	4 GND (AUDIO REC LEVEL)	5-7 7-1
- - 5	5 AUDIO CH-2 REC LEVEL IN 00	5-8
- - 6	6 AUDIO CH-2 PB LEVEL OUT	5-23
- - 7	7 GND (AUDIO REC LEVEL)	5-11 7-10
- - 8	8 AUDIO CH-3 REC LEVEL IN 00	5-10
- - 9	9 AUDIO CH-3 PB LEVEL OUT	5-35
- - 10	10 GND (AUDIO REC LEVEL)	5-11 7-7
- - 11	11 AUDIO CH-4 REC LEVEL IN 00	5-12
- - 12	12 AUDIO CH-4 PB LEVEL OUT	5-33

CN8		
MT-34_604-1	1 R-Y METER OUT	DE-19, (5)
- - 2	2 B-Y METER OUT	DE-19, (3)
- - 3	3 Y METER OUT	DE-19, (7)
MT-34_605-1	4 L:AUDIO CH-1 EE OUT	5-4 13-1
- - 2	5 L:AUDIO CH-2 EE OUT	5-21 13-2
- - 3	6 L:AFM EE OUT	5-34 22-2
- - 4	7 AUDIO CH-1 ABC ON IN	5-5
- - 5	8 AUDIO CH-2 ABC ON IN	5-9

CN9		
CD-73_542-5	5 SW +12 IN	
- - 11	11 SW +9V IN	SW+9V
- - 9	9 SW +5V IN	SW+5V
- - 1	1 GND	
- - 7	7 SW -5V IN	SW-5V
- - 3	6 SW -12V IN	SW-12V

CN15		
VRA-1_501-1	1 AFM RF OUT 00	5-37
- - 2	2 AFM RF OUT 00	5-38
- - 3	3 EE C FM OUT 00	1-37
- - 4	4 EE C FM OUT 00	1-38
- - 5	5 EE Y FM OUT 00	1-35
- - 6	6 EE Y FM OUT 00	1-36
VRA-1_502-1	1 L:VIDEO CH-B REC OUT	19-7
- - 2	2 L:VIDEO CH-A REC OUT	19-2
- - 3	3 METAL OUT	1-24 2-24 3-24 5-18 13-4
- - 4	4 REC -5V OUT	R6 70 6.3V 10
- - 5	5 REC +9V OUT	REC+9V
- - 6	6 REC +9V OUT	REC+9V
- - 7	7 REC +12V OUT	REC+12V
- - 8	8 GND	



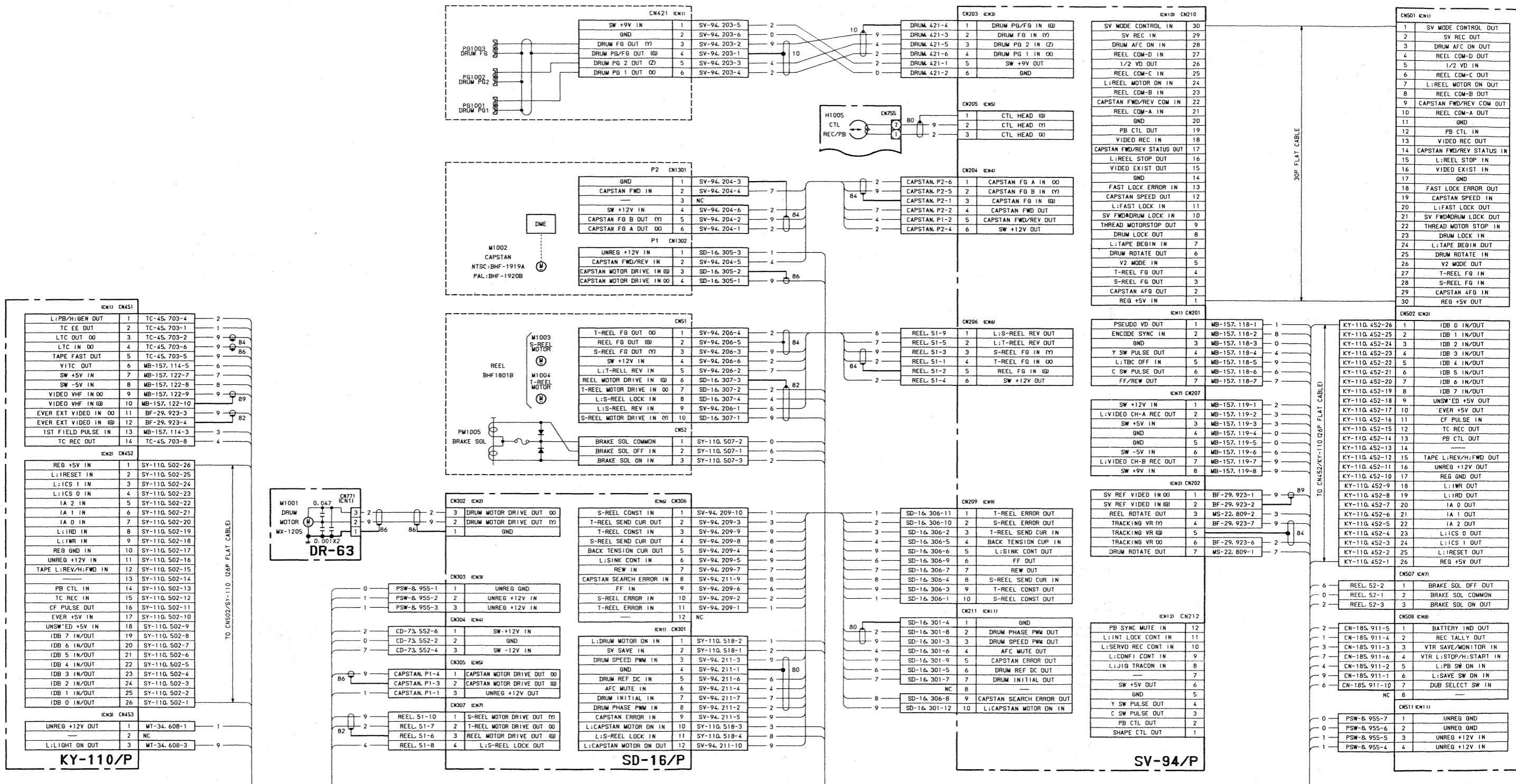


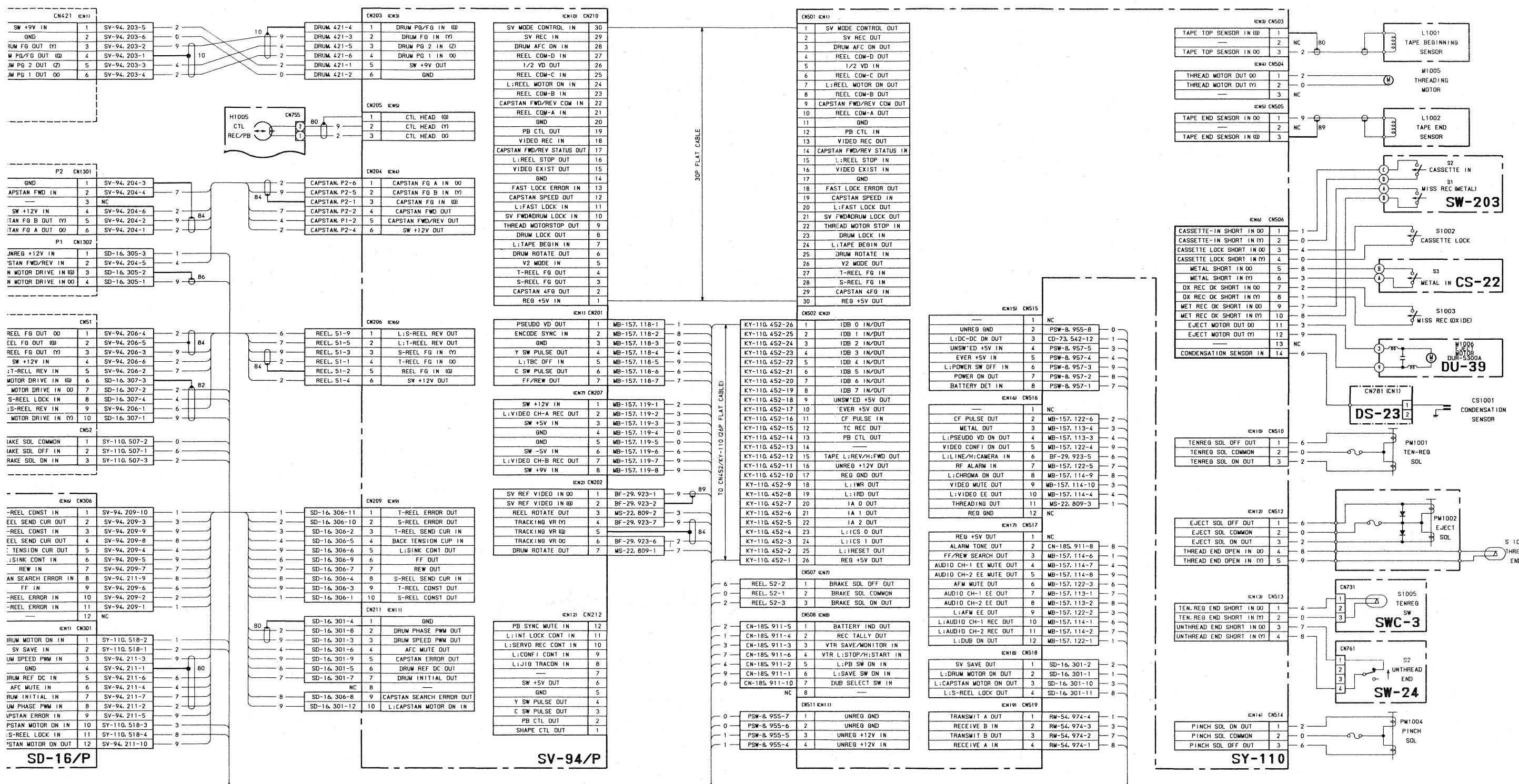
14-253

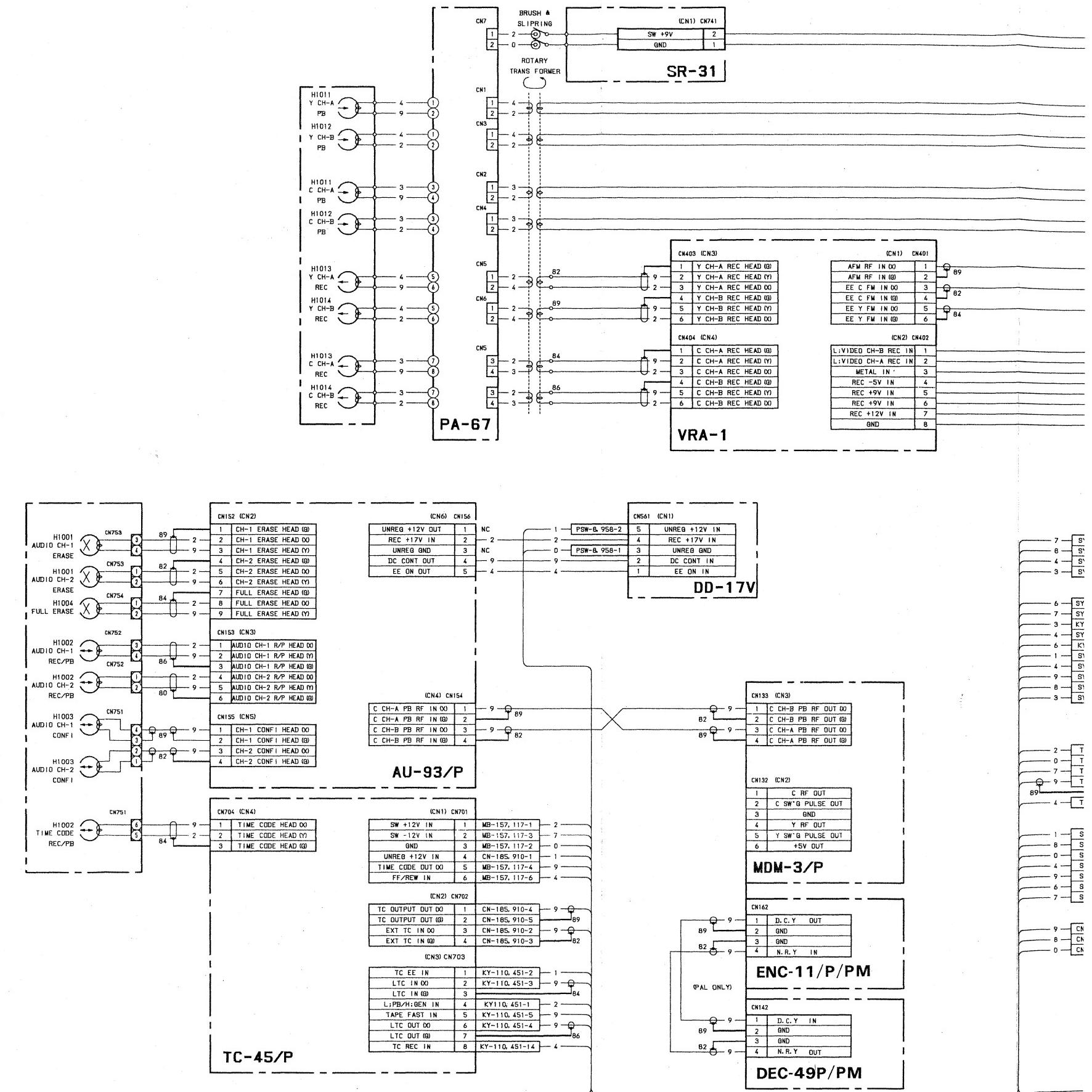
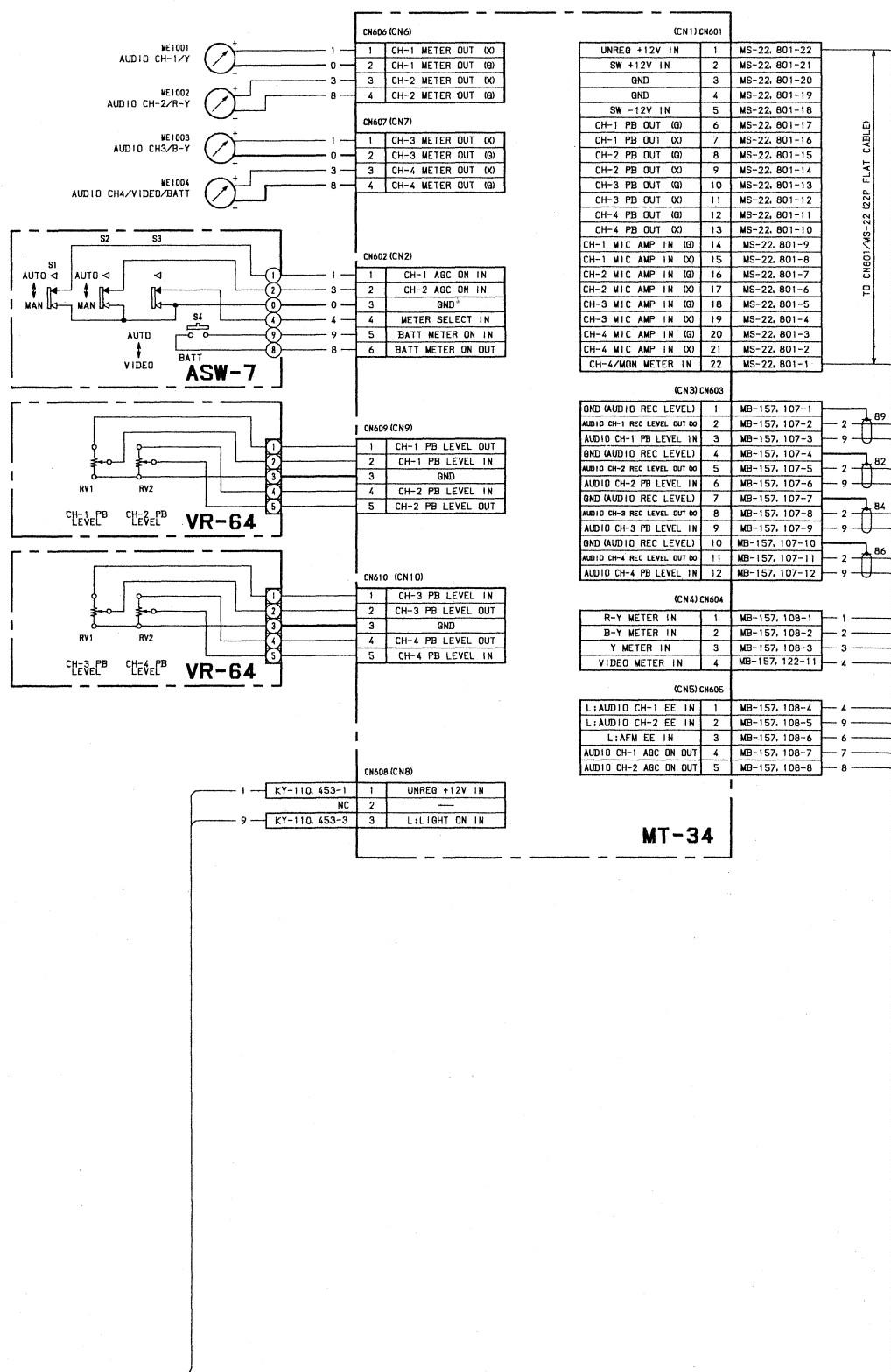
14-254

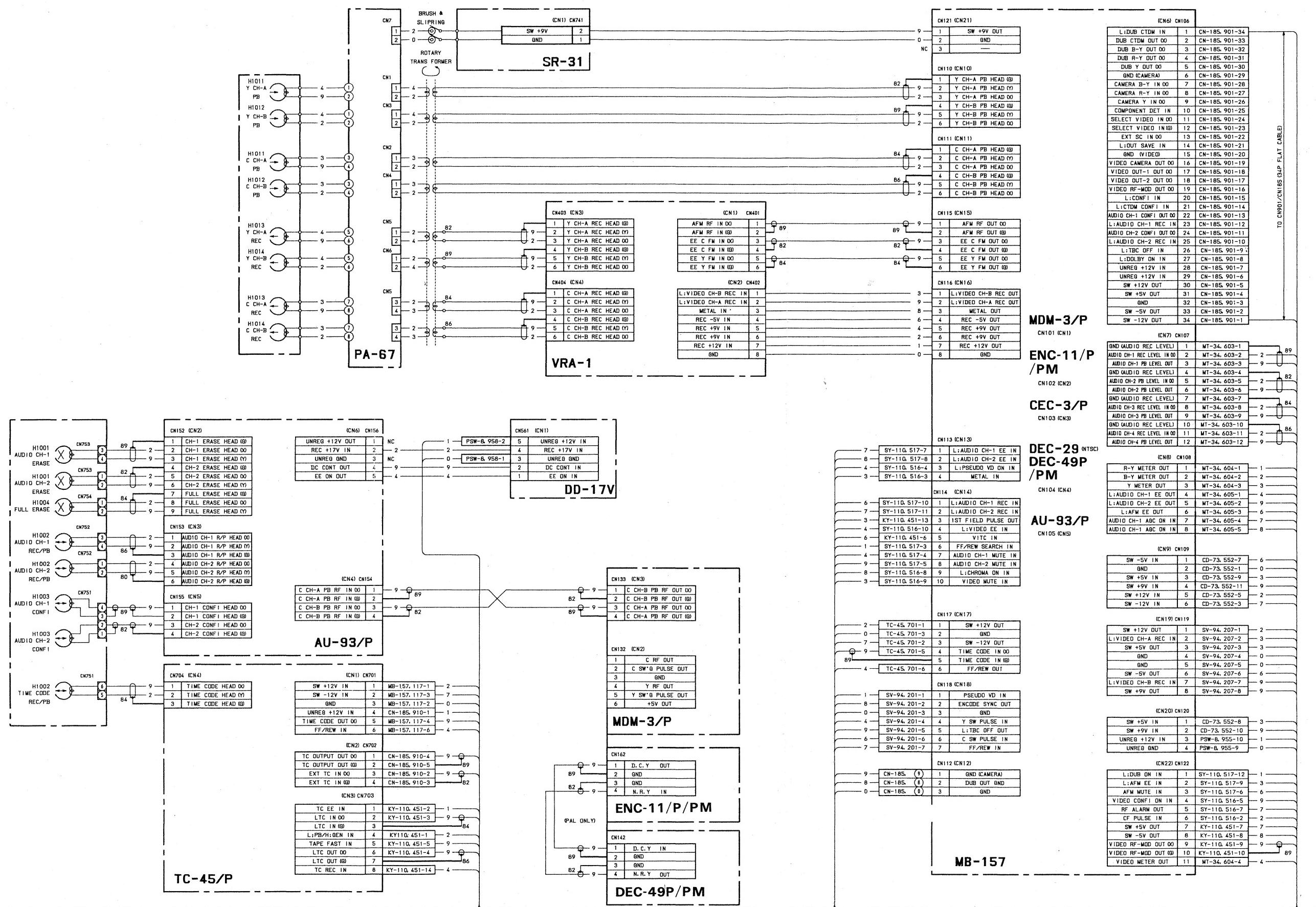
MB-157
I-622-896-13(1)
BVW-35P

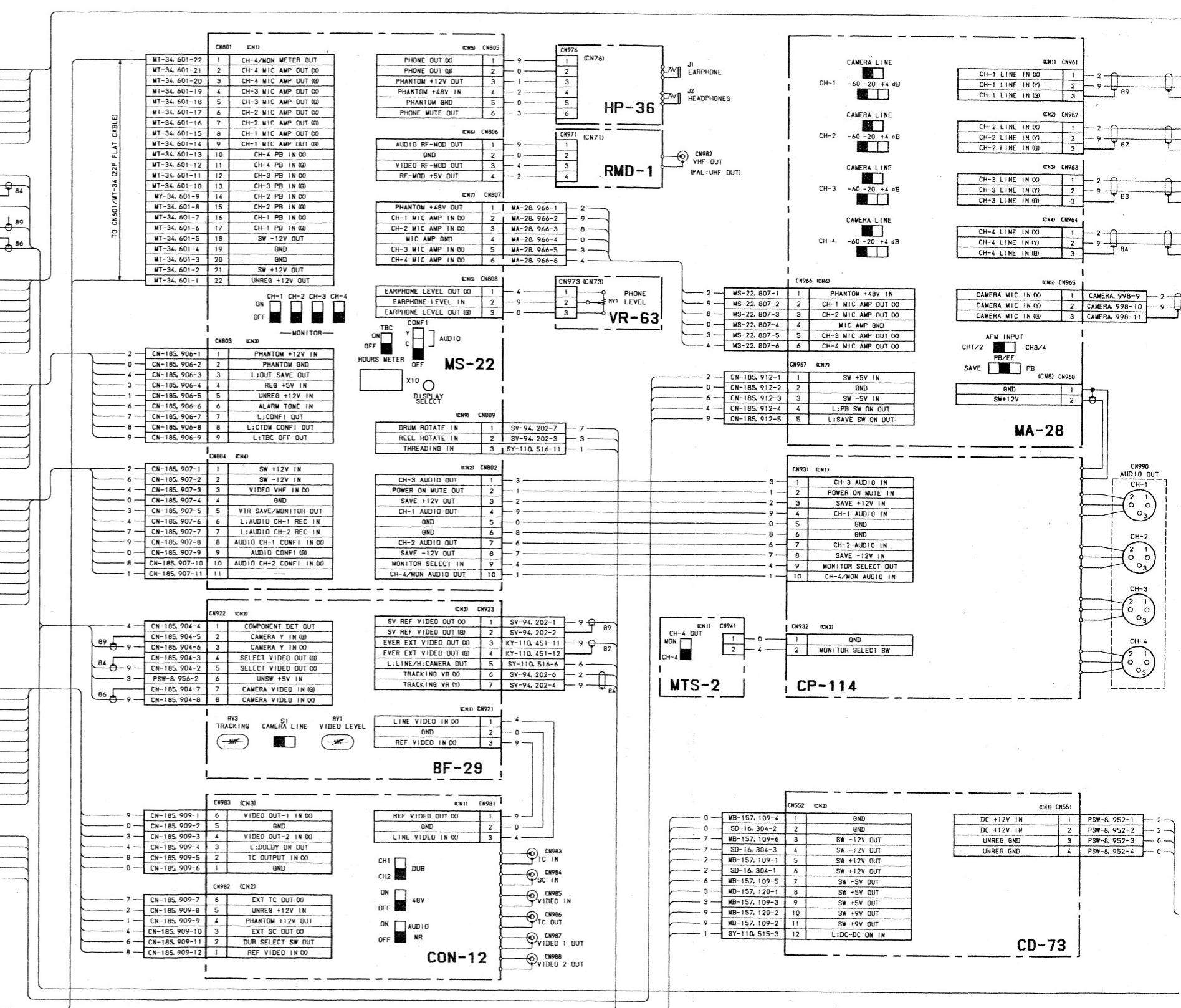
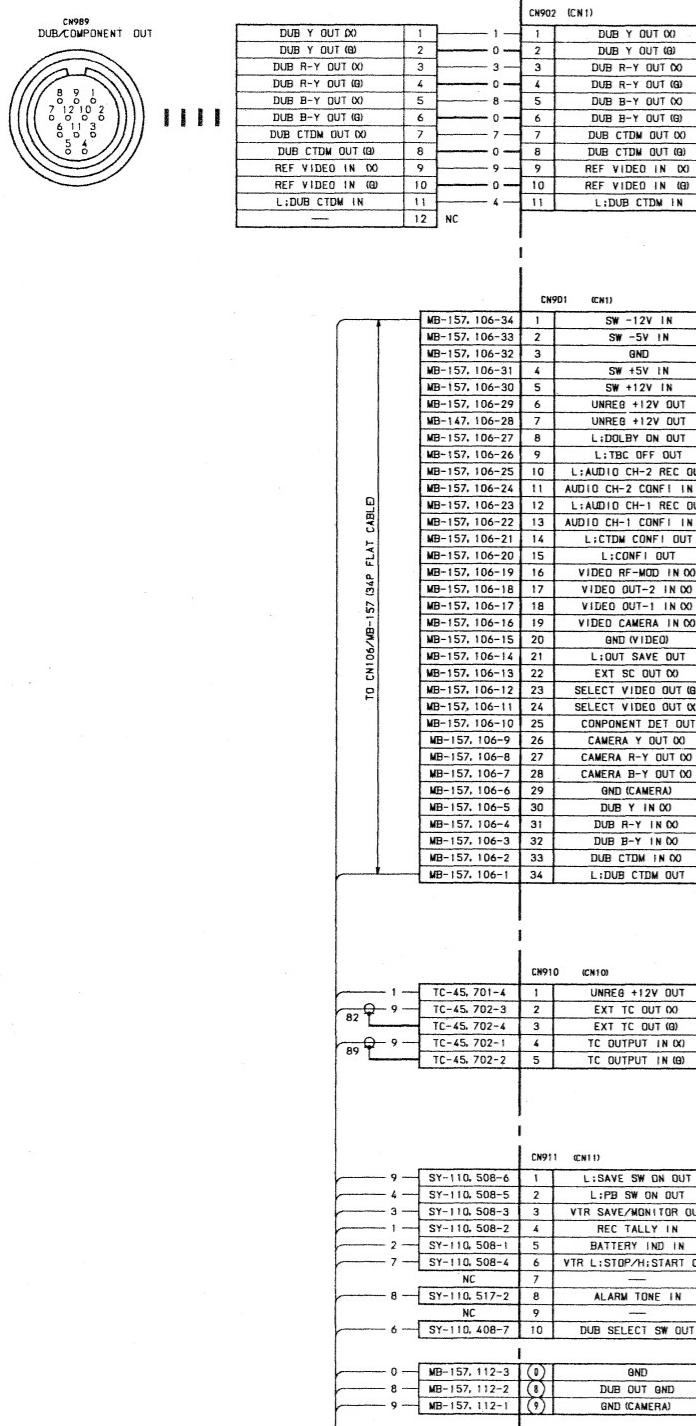
CN12		
5-30	GND (CAMERA)	
2-30	DUB OUT GND	
2-30	GND	
CN14		
5-29	L:AUDIO CH-1 REC IN	
5-30	L:AUDIO CH-2 REC IN	
4-36	1ST FIELD PULSE OUT	
1-18	2-11	3-18
4-37	L:VIDEO EE IN	
4-23	VITC IN	
5-31	FF/REW SEARCH IN	
5-26	AUDIO CH-1 MUTE IN	
5-27	AUDIO CH-2 MUTE IN	
1-27	2-10	L:CHROMA ON IN
2-27	VIDEO MUTE IN	
CN13		
5-4	8-4	L:AUDIO CH-1 EE IN
5-21	8-5	L:AUDIO CH-2 EE IN
5-16	6-14	L:OUT SAVE IN
5-16	METAL IN	
CN22		
5-32	L:DUB ON IN	
5-34	B-6	L:AFM EE IN
5-36	AFM MUTE IN	
5-37	VIDEO CONF1 ON IN	
1-26	RF ALARM OUT	
2-37	3-38	CF PULSE IN
SW+5V	●	SW +5V DUT
SW-SV	●	SW -5V DUT
6-19	2-28	VIDEO RF-MOD OUT 00
6-19	2-28	VIDEO RF-MOD OUT 00
2-8	VIDEO METER OUT	
CN10		
1-6	Y CH-A VIDEO PB HEAD 00	
1-5	Y CH-A VIDEO PB HEAD (Y)	
1-4	Y CH-A VIDEO PB HEAD 00	
1-3	Y CH-B VIDEO PB HEAD 00	
1-2	Y CH-B VIDEO PB HEAD (Y)	
1-1	Y CH-B VIDEO PB HEAD 00	
CN11		
1-12	C CH-A VIDEO PB HEAD 00	
1-11	C CH-A VIDEO PB HEAD (Y)	
1-10	C CH-A VIDEO PB HEAD 00	
1-9	C CH-B VIDEO PB HEAD 00	
1-8	C CH-B VIDEO PB HEAD (Y)	
1-7	C CH-B VIDEO PB HEAD 00	



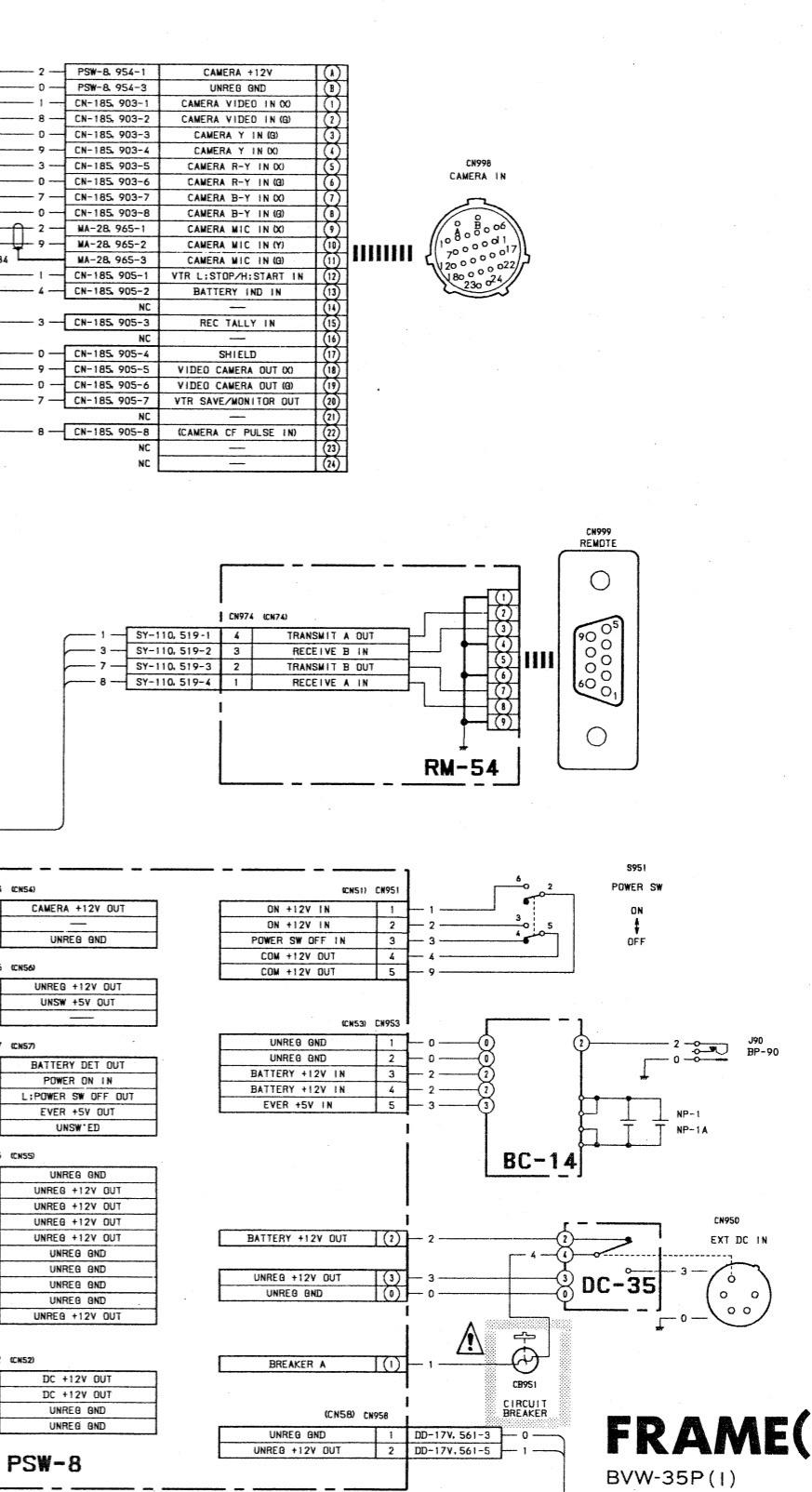
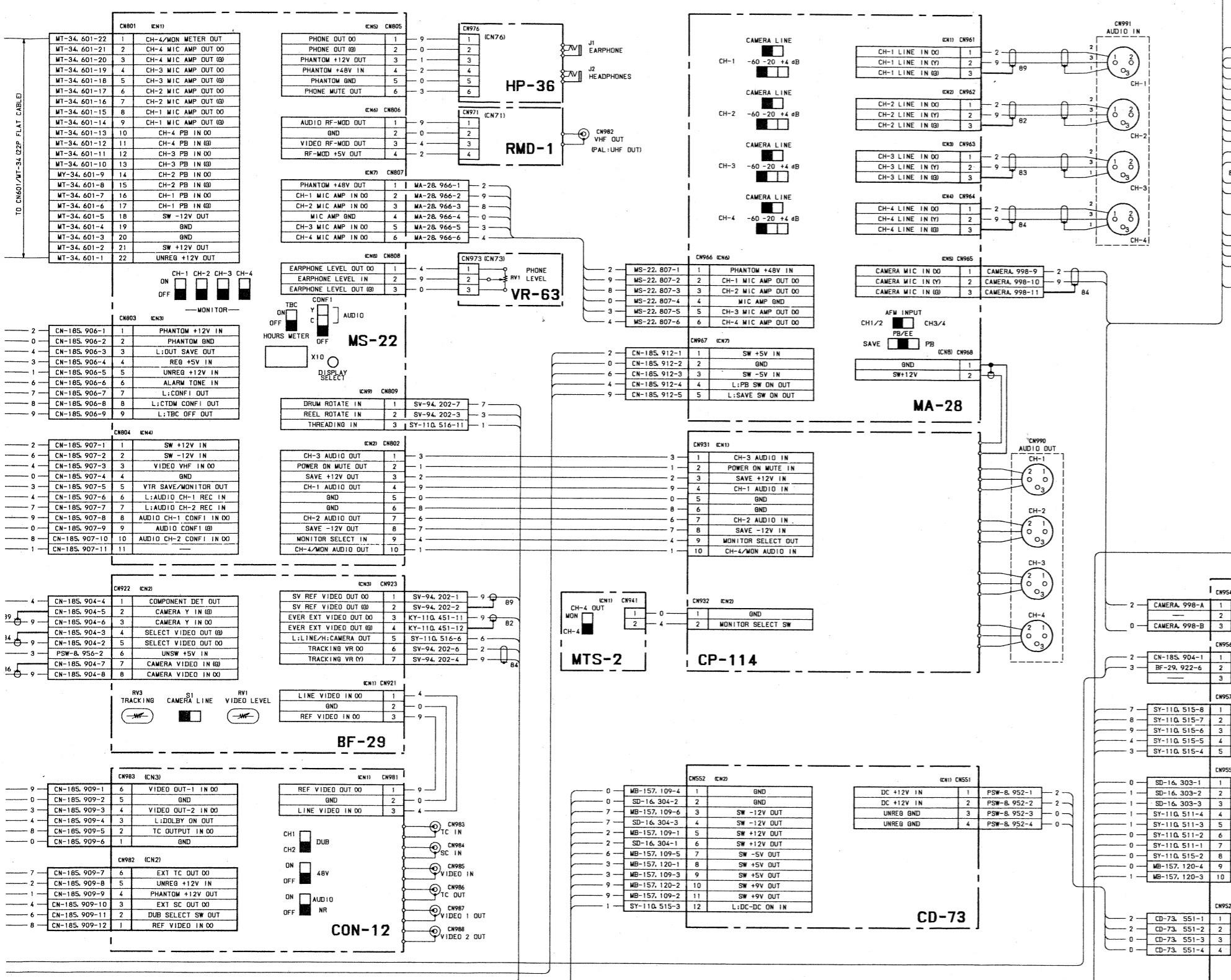








TO FRAME(2/3)



FRAME(3/3)

BVW-35P (1)

NOTE:

The shaded and -marked components are critical to safety.
Replace only with same components as specified.

SECTION 15 PRINTED WIRING BOARDS

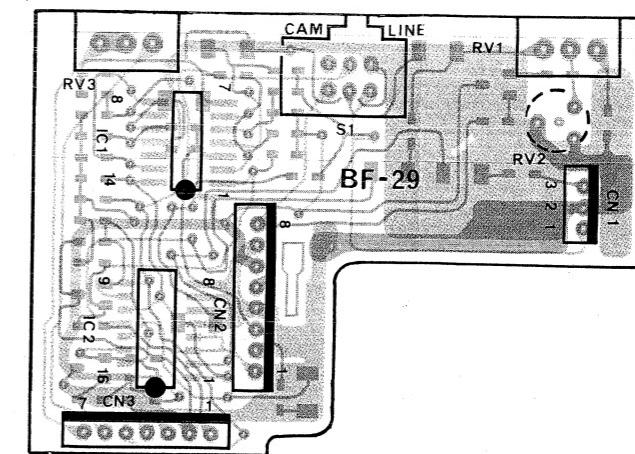
The circuit information is provided below.

System	Board	Circuit function
Video	BF-29	Video Input Level/Buffer
	DEC-49P	Y/C Separator/Decoder
	MDM-3P	Modulator/Demodulator
	DL-13	1H Delay Line for DOC
	DM-58A	Demodulator
	DO-19	DO Detector
	DUS-277	RF Switch
	EQ-14	COS Equalizer
	FL-66	Filter
	EQ-14A	COS Equalizer
	PA-60A	PB Amplifier
	RF-16A	RF AGC
	RG-24	+5V Regulator
	TG-31	Timing Generator
	VA-54	Video Amplifier
	VRA-1	Video REC Amplifier
	CEC-3P	CTDM/Expander
	CF-29	Comb Filter
	CL-15	Clamper for DL-15 OUT signals
	CL-16	Clamper for DL-15 IN signals
	DL-14	1H Delay Line
	DL-15	1/2H, 1H Delay Line
	DL-17	1H Delay Line for CF
	ED-18	Edge Detector
	EQ-23	Delay Circuit
	LM-15	Limiter for Pre-phaser
	LM-16	Limiter for REC 100% CTDM signal
	NR-18	Noise Canceller for PB CTDM signal
	ENC-11P	Video Encoder/Y Processor

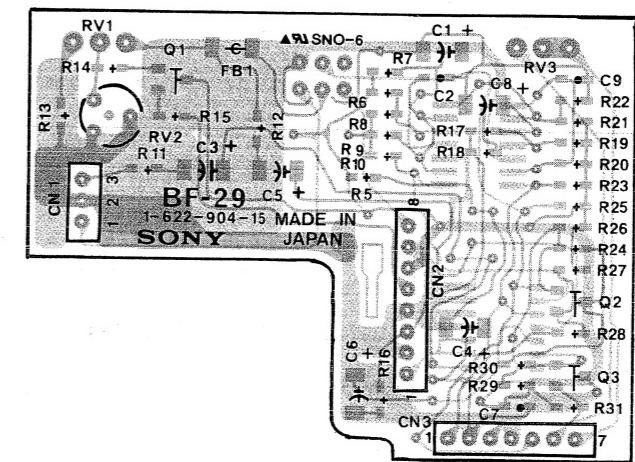
System	Board	Circuit function
Audio	MA-28	Mic Amplifier
	MT-34	Meter Drive/Audio Level
	VR-64	PB Level
	AU-93P	Audio REC/PB Amplifier
	AFM-3	FM Audio
	AL-14	AGC/Limiter
	AR-12P	REC Amplifier
	CO-8	CONFI PB
	DC-33	DUB Crosstalk Canceller
	NR-19	Noise Reduction
	SG-137	REF Clock Generator
	VA-68	AGC
	MS-22	Monitor Amplifier/Monitor Selector
	CP-114	XLR OUT Amplifier
	VR-63	Phone Level
Servo	HP-36	Headphones/Earphone
	CD-54	DC-DC Converter
	DD-17V	DC-DC Converter
Time Code	MTS-2	CH-4 Monitor Switch
	ASW-7	Audio Front Switch
System Control	SV-94P	Servo System
	SD-16P	Servo Driver
	DR-63	Drum Motor
Time Code	TC-45P	Time Code REC/PB Amplifier
Power	KY-110P	Function Key/Time Code
	SY-110	System Control
	CS-22	SP Cassette-in Switch
	DU-39	Eject Motor
	SW-24	Unthreading-end Switch
	SW-203	Miss REC/Cassette-in Switch
	SWC-3	Tension Regulator Switch
Other	BC-14	Battery
	BC-17	Battery
	DC-DC CONV.	DC-DC Converter
	DC-35	DC IN/Diode
	PSW-8	Power Switch Control
Other	CN-185	CP Connection Board
	CON-12	BNC Connector
	DS-23	Dew Connection Board
	EX-150	Extension Board
	MB-157	Mother Board
	DE-19	Level Detector
	PA-67P	RF REC/PB Amplifier
	RM-54	9P Remote Control
	RMD-1	RF Modulator
	SR-41	Slip-ring

BF-29 BF-29

BF-29 ; VIDEO INPUT LEVEL/BUFFER



BF-29 —COMPONENT SIDE—
I-622-904-15(1)
BVW-35
BVW-35P



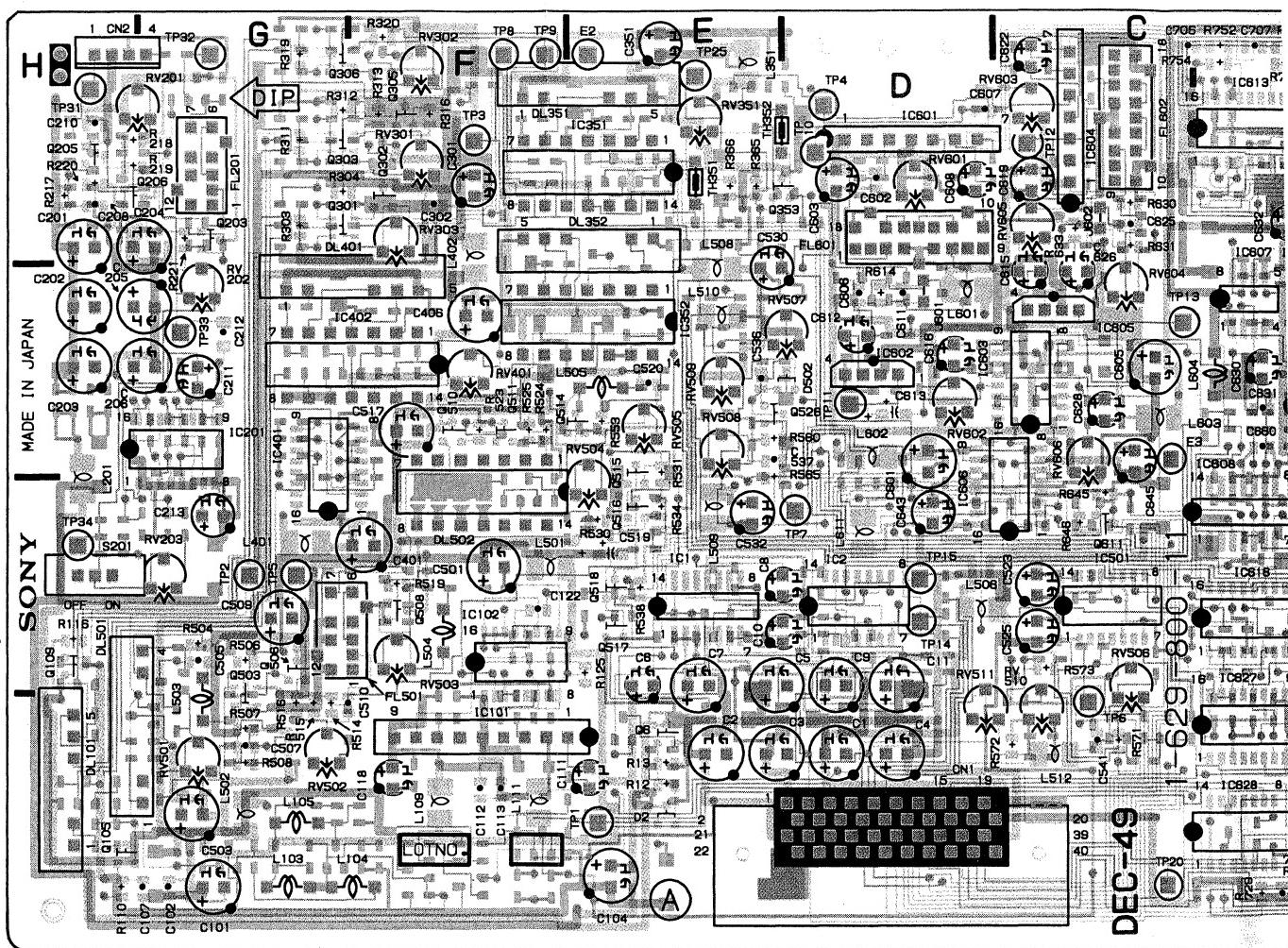
BF-29 —SOLDERING SIDE—
I-622-904-15(1)
BVW-35
BVW-35P

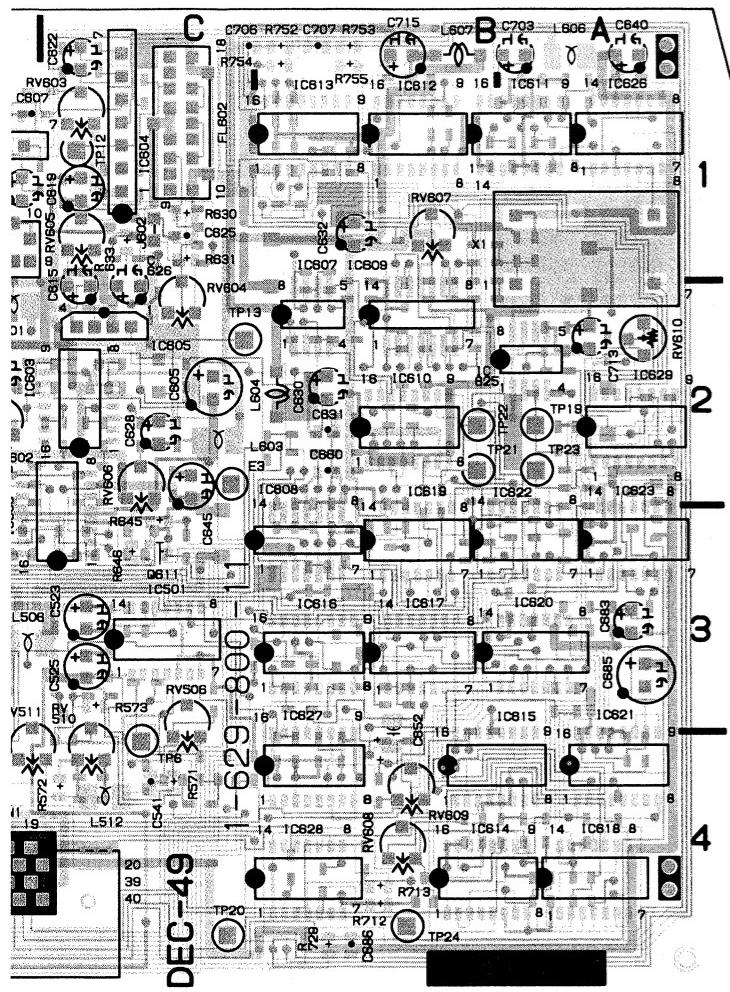
DEC-49P ; Y/C SEPARATOR/DECODER

DEC-49P(1-629-800-11)

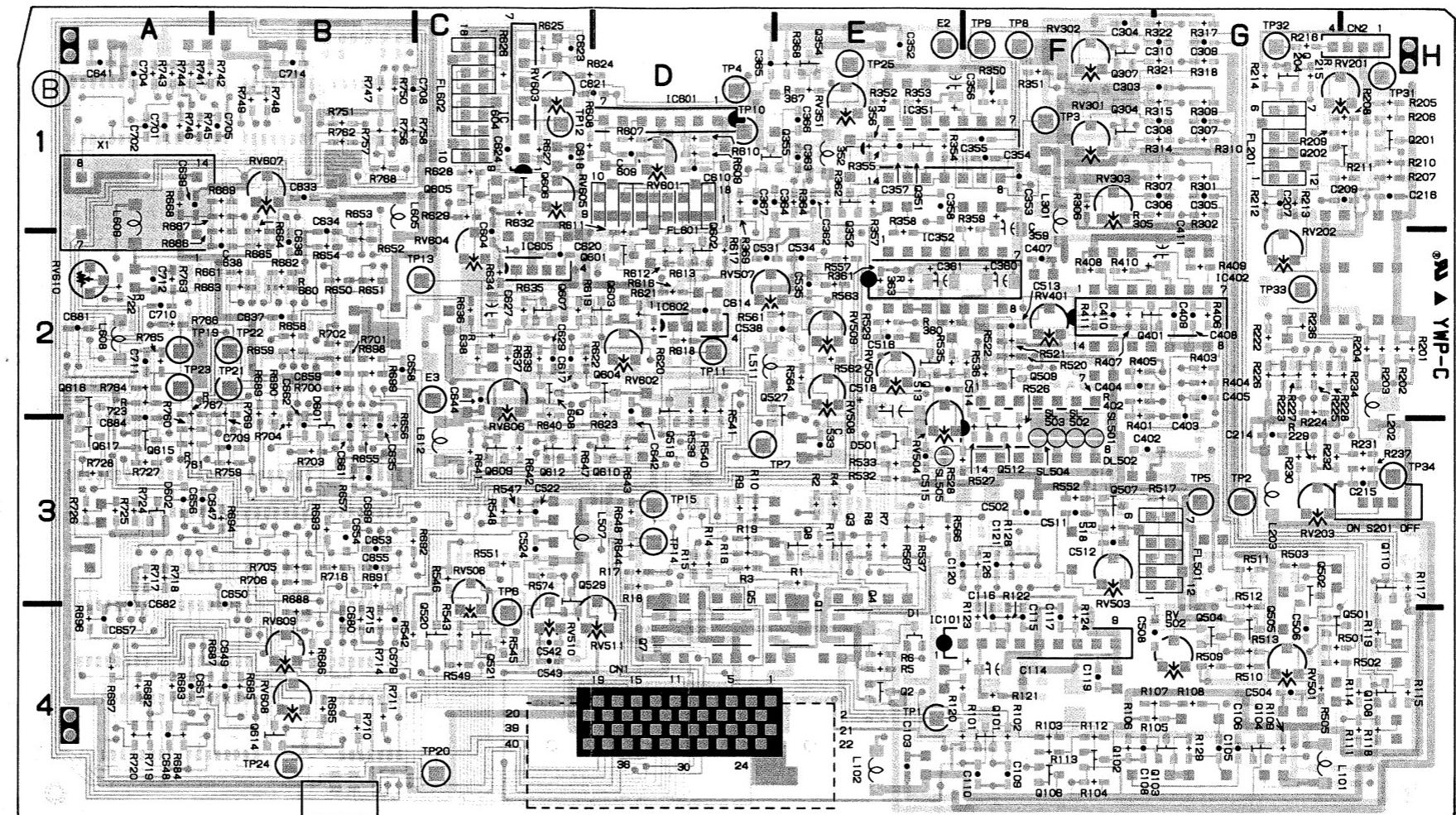
CN1	D-4	C	IC626	A-1	C	Q520	C-4	S	TP4	D-1	C
CN2	H-1	C	IC627	B-3	C	Q521	C-4	S	TP5	G-3	C
			IC628	B-4	C	Q526	D-2	C	TP6	C-4	C
D1	E-4	S	IC629	A-2	C	Q527	E-2	S	TP7	D-3	C
D2	E-4	C				Q529	C-3	S	TP8	F-1	C
D501	E-3	S	Q1	E-4	S	Q601	D-2	S	TP9	F-1	C
D502	D-2	C	Q2	E-4	S	Q602	D-2	S	TP10	D-1	C
D601	B-2	S	Q3	E-3	S	Q603	D-2	S	TP11	D-2	C
D602	A-3	S	Q4	E-3	S	Q604	D-2	S	TP12	C-1	C
			Q5	D-3	S	Q605	C-1	S	TP13	C-2	C
DL101	H-4	C	Q6	E-4	C	Q606	C-1	S	TP14	D-3	C
DL351	F-1	C	Q7	D-3	S	Q607	C-2	S	TP15	D-3	C
DL352	E-1	C	Q8	E-3	S	Q608	C-3	S	TP19	A-2	C
DL401	G-1	C	Q101	F-4	S	Q609	C-3	S	TP20	C-4	C
DL501	H-3	C	Q102	F-4	S	Q610	D-3	S	TP21	A-2	C
DL502	F-3	C	Q103	G-4	S	Q611	C-3	C	TP22	A-2	C
			Q104	G-4	S	Q612	C-3	S	TP23	A-2	C
E2	E-1	C	Q105	H-4	C	Q614	B-4	S	TP24	B-4	C
E3	B-2	C	Q106	F-4	S	Q615	A-3	S	TP25	E-1	C
			Q108	H-4	S	Q616	A-2	S	TP31	H-1	C
FL201	G-1	C	Q109	H-3	C	Q617	A-3	S	TP32	G-1	C
FL501	F-3	C	Q110	H-3	S				TP33	G-2	C
FL601	D-1	C	Q201	H-1	S	RV201	G-1	C	TP34	H-3	C
FL602	C-1	C	Q202	G-1	S	RV202	G-2	C			
			Q203	G-1	C	RV203	G-3	C	X1	B-1	C
IC1	E-3	C	Q204	G-1	S	RV301	F-1	C			
IC2	D-3	C	Q205	H-1	C	RV302	F-1	C			
IC101	F-4	C	Q206	G-1	C	RV303	F-1	C			
IC102	F-3	C	Q301	G-1	C	RV351	E-1	C			
IC201	G-2	C	Q302	F-1	C	RV401	F-2	C			
IC351	E-1	C	Q303	G-1	C	RV501	G-4	C			
IC352	E-2	C	Q304	F-1	S	RV502	G-4	C			
IC401	G-2	C	Q305	F-1	C	RV503	F-3	C			
IC402	F-2	C	Q306	G-1	C	RV504	E-2	C			
IC501	C-3	C	Q307	F-1	S	RV505	E-2	C			
IC601	D-1	C	Q351	E-1	S	RV506	C-3	C			
IC602	D-2	C	Q352	E-2	S	RV507	D-2	C			
IC603	D-2	C	Q353	E-1	C	RV508	E-2	C			
IC604	C-1	C	Q354	E-1	S	RV509	E-2	C			
IC605	C-2	C	Q401	F-2	S	RV510	C-3	C			
IC606	D-3	C	Q501	H-4	S	RV511	D-3	C			
IC607	B-1	C	Q502	G-3	S	RV602	D-2	C			
IC608	B-2	C	Q503	G-3	C	RV604	C-2	C			
IC609	B-1	C	Q504	G-4	S	RV605	C-1	C			
IC610	B-2	C	Q505	G-4	S	RV606	C-2	C			
IC611	A-1	C	Q506	G-3	C	RV607	B-1	C			
IC612	B-1	C	Q507	F-4	S	RV608	B-4	C			
IC613	B-1	C	Q508	F-3	C	RV609	B-4	C			
IC614	B-4	C	Q509	F-2	S	RV610	A-2	C			
IC615	A-3	C	Q510	F-2	C						
IC616	B-3	C	Q511	F-2	C	S201	H-3	C			
IC617	B-3	C	Q512	F-3	S						
IC618	A-4	C	Q513	E-2	S	TH351	E-1	C			
IC619	B-2	C	Q514	F-2	C	TH352	E-1	C			
IC620	A-3	C	Q515	E-2	C	TH501	D-3	S			
IC621	A-3	C	Q516	E-3	C						
IC622	A-2	C	Q517	E-3	C	TP1	E-4	C			
IC623	A-2	C	Q518	E-3	C	TP2	G-3	C			
IC625	B-2	C	Q519	D-3	S	TP3	F-1	C			

. C; COMPONENT SIDE
. S; SOLDERING SIDE





DEC-49P/PM —COMPONENT SIDE—
I-629-800-11(1)
BVW-35P
BVW-35PM

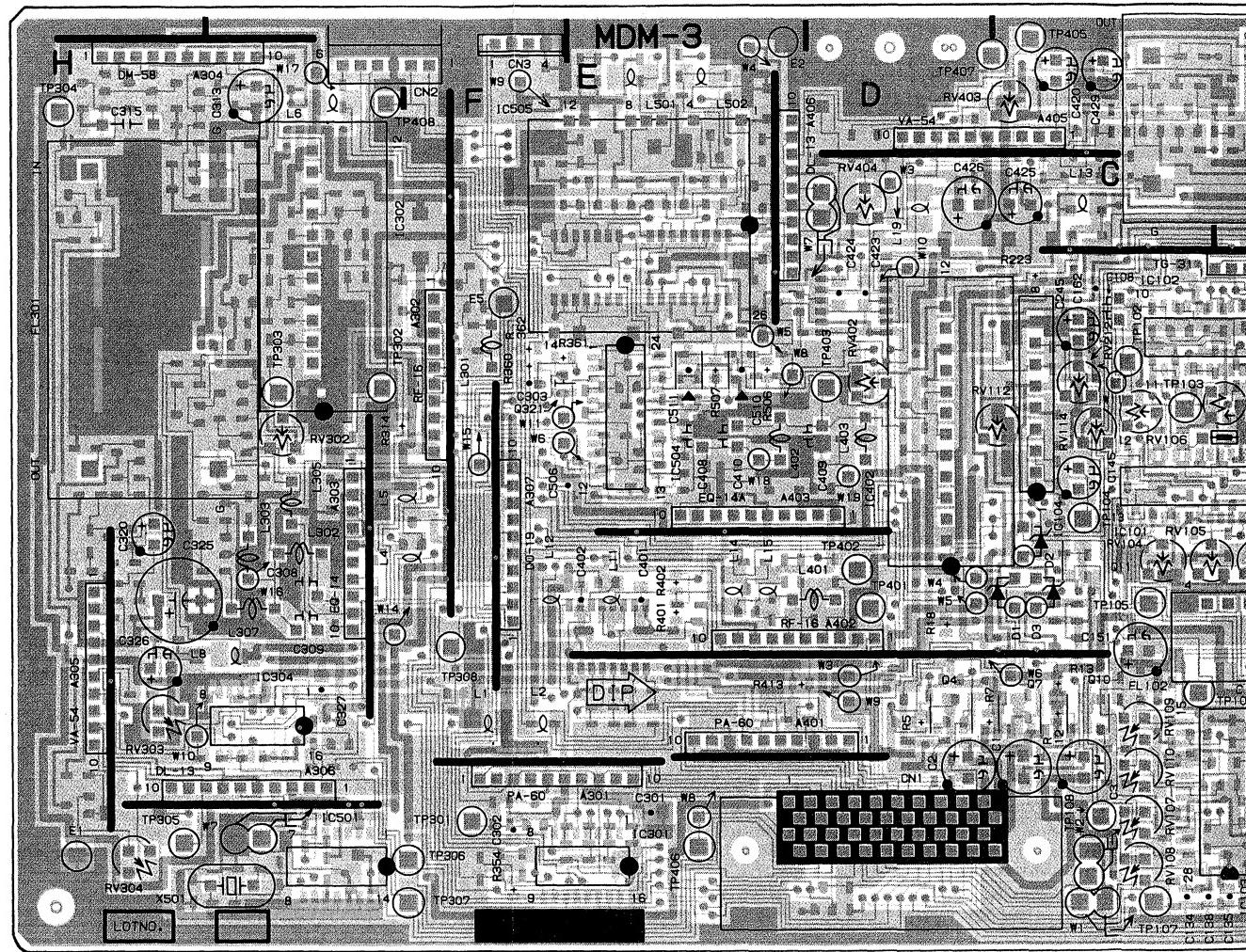


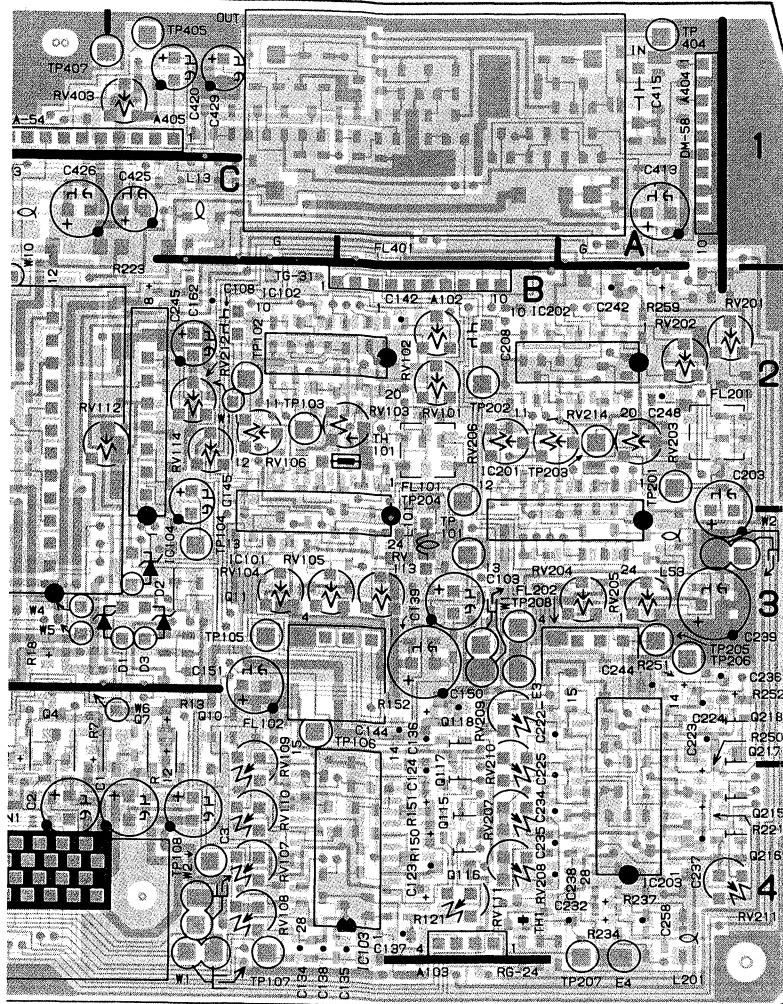
DEC-49P/PM —SOLDERING SIDE—
I-629-800-11(1)
BVW-35P
BVW-35PM

MDM-3P(1-622-858-16)

CN1	D-4	C	Q103	B-3	S	Q412	B-1	S	TP107	C-4	C
CN2	F-1	C	Q104	B-3	S	Q413	F-3	S	TP108	C-4	C
CN3	F-1	C	Q105	C-4	S	Q414	A-1	S	TP201	A-2	C
			Q107	B-4	S	Q418	B-1	S	TP202	B-2	C
D1	C-3	C	Q108	B-4	S	Q416	C-1	S	TP203	A-2	C
D2	C-3	C	Q109	C-4	S	Q417	B-1	S	TP204	B-3	C
D3	C-3	C	Q110	C-4	S	Q415	D-3	S	TP205	A-3	C
D102	C-3	S	Q111	B-3	S	Q419	C-1	S	TP206	A-3	C
D201	A-1	S	Q113	B-4	S	Q421	E-3	S	TP207	A-4	C
D202	A-2	S	Q114	B-4	S	Q501	E-1	S	TP208	B-3	C
D301	F-3	S	Q115	B-4	C	Q502	E-2	S	TP301	F-4	C
D302	G	S	Q116	B-4	C	Q503	E-2	S	TP302	G-2	C
D303	G-2	S	Q117	B-4	C	Q504	E-2	S	TP303	G-2	C
D401	E-3	S	Q118	B-3	C	Q505	E-2	S	TP304	H-1	C
			Q119	C-3	S	Q506	E-1	S	TP305	H-4	C
E1	H-4	C	Q201	B-2	S	Q507	E-1	S	TP306	F-4	C
E2	E-1	C	Q202	A-2	S	Q508	E-1	S	TP307	F-4	C
E3	B-3	C	Q204	A-3	S	Q509	E-1	S	TP308	F-3	C
E4	A-4	C	Q205	B-4	S				TP401	D-3	C
E5	F-2	C	Q207	A-3	S	RV101	B-2	C	TP402	D-3	C
			Q208	A-3	S	RV102	B-2	C	TP403	D-2	C
FL101	B-2	C	Q209	A-3	S	RV103	B-2	C	TP404	A-1	C
FL102	C-3	C	Q210	A-4	S	RV104	C-3	C	TP405	C-1	C
FL201	A-2	C	Q211	A-4	S	RV105	C-3	C	TP406	E-4	C
FL202	A-3	C	Q212	A-2	S	RV106	C-2	C	TP407	D-1	C
FL301	H-2	C	Q213	B-4	S	RV107	C-4	C	TP408	G-1	C
FL401	B-1	C	Q214	B-4	S	RV108	C-4	C			
			Q215	A-4	C	RV109	C-4	C	X501	G-4	C
IC101	B-3	C	Q216	A-4	C	RV110	C-4	C			
IC102	B-2	C	Q217	A-4	C	RV111	B-4	C			
IC103	B-4	C	Q218	A-3	C	RV112	C-2	C			
IC104	C-2	C	Q219	A-2	S	RV113	B-3	C			
IC201	A-3	C	Q301	F-4	S	RV114	C-2	C			
IC202	A-2	C	Q302	G-1	S	RV201	A-2	C			
IC203	A-4	C	Q304	H-1	S	RV202	A-2	C			
IC301	F-4	C	Q305	H-1	S	RV203	A-2	C			
IC302	G-2	C	Q306	H-1	S	RV204	A-3	C			
IC304	G-4	C	Q307	H-2	S	RV205	A-3	C			
IC401	E-3	S	Q309	H-3	S	RV206	B-2	C			
IC402	D-2	C	Q310	H-4	S	RV207	B-4	C			
IC404	D-2	S	Q311	G-4	S	RV208	B-4	C			
IC501	G-4	C	Q312	G-2	S	RV209	B-3	C			
IC502	E-2	S	Q314	H-1	S	RV210	B-4	C			
IC503	E-2	S	Q315	G-1	S	RV211	A-4	C			
IC504	E-2	C	Q316	H-2	S	RV212	C-2	C			
IC505	E-1	C	Q317	G-3	S	RV214	A-2	C			
			Q318	G-3	S	RV302	G-2	C			
Q1	D-4	S	Q319	G-2	S	RV303	H-4	C			
Q2	D-4	S	Q321	F-2	C	RV304	H-4	C			
Q4	D-4	C	Q322	F-2	S	RV402	D-2	C			
Q5	C-4	S	Q401	E-3	S	RV403	C-1	C			
Q6	D-3	S	Q404	A-1	S	RV404	D-1	C			
Q7	C-4	C	Q405	A-1	S						
Q8	D-4	S	Q406	A-1	S	TP101	B-3	C			
Q9	D-4	S	Q407	B-1	S	TP102	C-2	C			
Q10	C-4	C	Q408	C-1	S	TP103	C-2	C			
Q11	C-3	C	Q409	C-1	S	TP104	C-3	C			
Q12	C-3	S	Q410	D-1	S	TP105	C-3	C			
Q101	C-2	S	Q411	E-2	S	TP106	C-3	C			

** C; COMPONENT SIDE
 ** S; SOLDERING SIDE

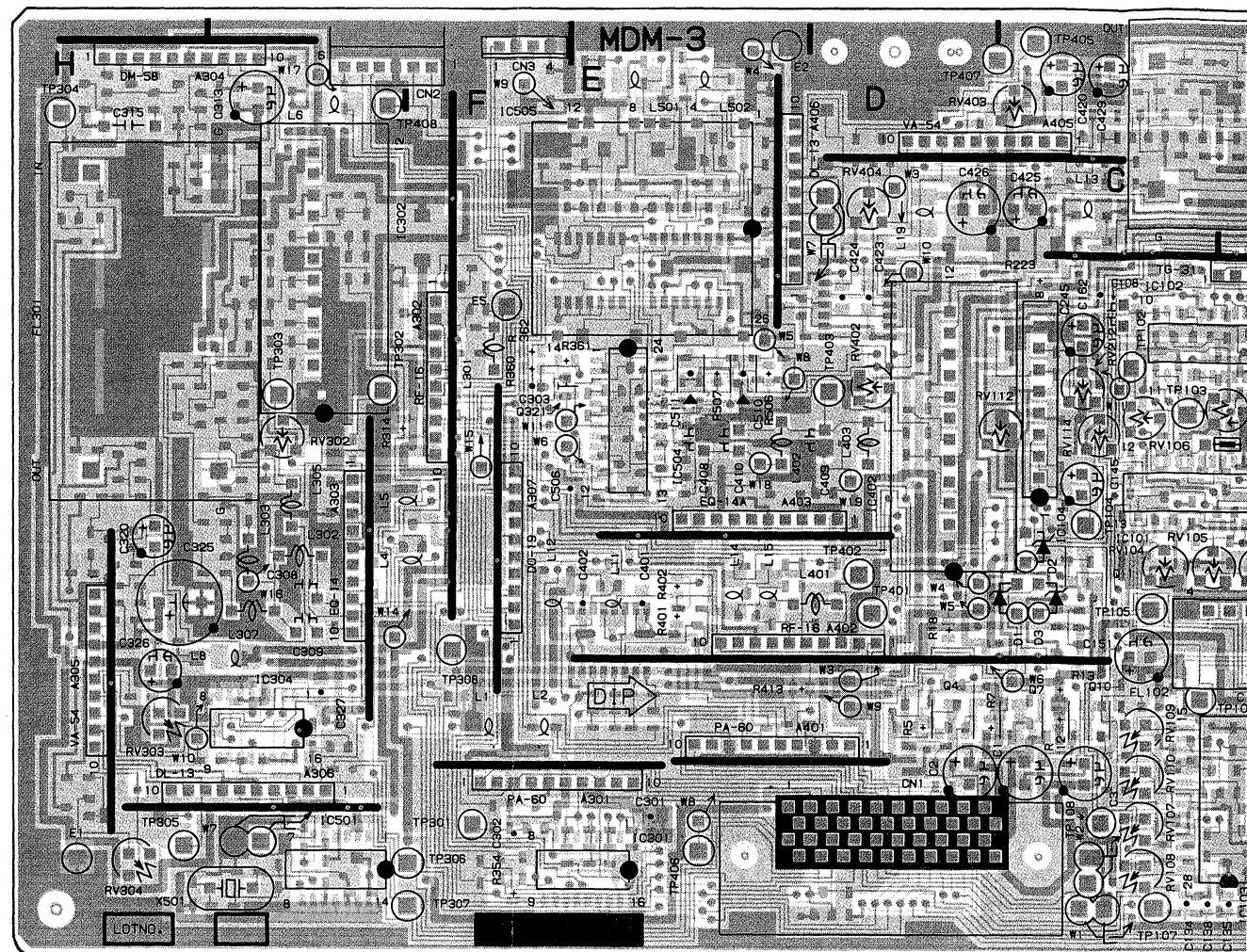




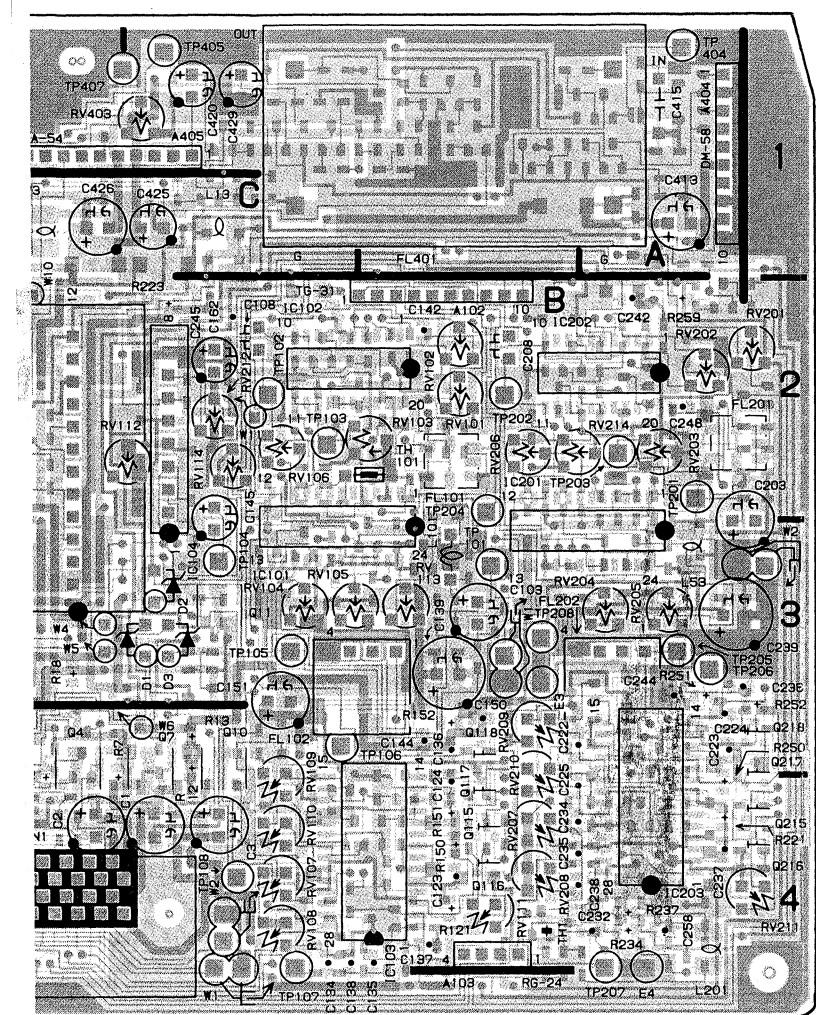
MDM-3P(1-622-858-16)

CN1	D-4	C	Q103	B-3	S	Q412	B-1	S	TP107	C-4	C
CN2	F-1	C	Q104	B-3	S	Q413	F-3	S	TP108	C-4	C
CN3	F-1	C	Q105	C-4	S	Q414	A-1	S	TP201	A-2	C
			Q107	B-4	S	Q418	B-1	S	TP202	B-2	C
D1	C-3	C	Q108	B-4	S	Q416	C-1	S	TP203	A-2	C
D2	C-3	C	Q109	C-4	S	Q417	B-1	S	TP204	B-3	C
D3	C-3	C	Q110	C-4	S	Q415	D-3	S	TP205	A-3	C
D102	C-3	S	Q111	B-3	S	Q419	C-1	S	TP206	A-3	C
D201	A-1	S	Q113	B-4	S	Q421	E-3	S	TP207	A-4	C
D202	A-2	S	Q114	B-4	S	Q501	E-1	S	TP208	B-3	C
D301	F-3	S	Q115	B-4	C	Q502	E-2	S	TP301	F-4	C
D302	G	S	Q116	B-4	C	Q503	E-2	S	TP302	G-2	C
D303	G-2	S	Q117	B-4	C	Q504	E-2	S	TP303	G-2	C
D401	E-3	S	Q118	B-3	C	Q505	E-2	S	TP304	H-1	C
			Q119	C-3	S	Q506	E-1	S	TP305	H-4	C
E1	H-4	C	Q201	B-2	S	Q507	E-1	S	TP306	F-4	C
E2	E-1	C	Q202	A-2	S	Q508	E-1	S	TP307	F-4	C
E3	B-3	C	Q204	A-3	S	Q509	E-1	S	TP308	F-3	C
E4	A-4	C	Q205	B-4	S				TP401	D-3	C
E5	F-2	C	Q207	A-3	S	RV101	B-2	C	TP402	D-3	C
			Q208	A-3	S	RV102	B-2	C	TP403	D-2	C
FL101	B-2	C	Q209	A-3	S	RV103	B-2	C	TP404	A-1	C
FL102	C-3	C	Q210	A-4	S	RV104	C-3	C	TP405	C-1	C
FL201	A-2	C	Q211	A-4	S	RV105	C-3	C	TP406	E-4	C
FL202	A-3	C	Q212	A-2	S	RV106	C-2	C	TP407	D-1	C
FL301	H-2	C	Q213	B-4	S	RV107	C-4	C	TP408	G-1	C
FL401	B-1	C	Q214	B-4	S	RV108	C-4	C	X501	G-4	C
			Q215	A-4	C	RV109	C-4	C			
IC101	B-3	C	Q216	A-4	C	RV110	C-4	C			
IC102	B-2	C	Q217	A-4	C	RV111	B-4	C			
IC103	B-4	C	Q218	A-3	C	RV112	C-2	C			
IC104	C-2	C	Q219	A-2	S	RV113	B-3	C			
IC201	A-3	C	Q301	F-4	S	RV114	C-2	C			
IC202	A-2	C	Q302	G-1	S	RV201	A-2	C			
IC203	A-4	C	Q304	H-1	S	RV202	A-2	C			
IC301	F-4	C	Q305	H-1	S	RV203	A-2	C			
IC302	G-2	C	Q306	H-1	S	RV204	A-3	C			
IC304	G-4	C	Q307	H-2	S	RV205	A-3	C			
IC401	E-3	S	Q309	H-3	S	RV206	B-2	C			
IC402	D-2	C	Q310	H-4	S	RV207	B-4	C			
IC404	D-2	S	Q311	G-4	S	RV208	B-4	C			
IC501	G-4	C	Q312	G-2	S	RV209	B-3	C			
IC502	E-2	S	Q314	H-1	S	RV210	B-4	C			
IC503	E-2	S	Q315	G-1	S	RV211	A-4	C			
IC504	E-2	C	Q316	H-2	S	RV212	C-2	C			
IC505	E-1	C	Q317	G-3	S	RV214	A-2	C			
			Q318	G-3	S	RV302	G-2	C			
Q1	D-4	S	Q319	G-2	S	RV303	H-4	C			
Q2	D-4	S	Q321	F-2	C	RV304	H-4	C			
Q4	D-4	C	Q322	F-2	S	RV402	D-2	C			
Q5	C-4	S	Q401	E-3	S	RV403	C-1	C			
Q6	D-3	S	Q404	A-1	S	RV404	D-1	C			
Q7	C-4	C	Q405	A-1	S						
Q8	D-4	S	Q406	A-1	S	TP101	B-3	C			
Q9	D-4	S	Q407	B-1	S	TP102	C-2	C			
Q10	C-4	C	Q408	C-1	S	TP103	C-2	C			
Q11	C-3	C	Q409	C-1	S	TP104	C-3	C			
Q12	C-3	S	Q410	D-1	S	TP105	C-3	C			
Q101	C-2	S	Q411	E-2	S	TP106	C-3	C			

** C; COMPONENT SIDE
 ** S; SOLDERING SIDE

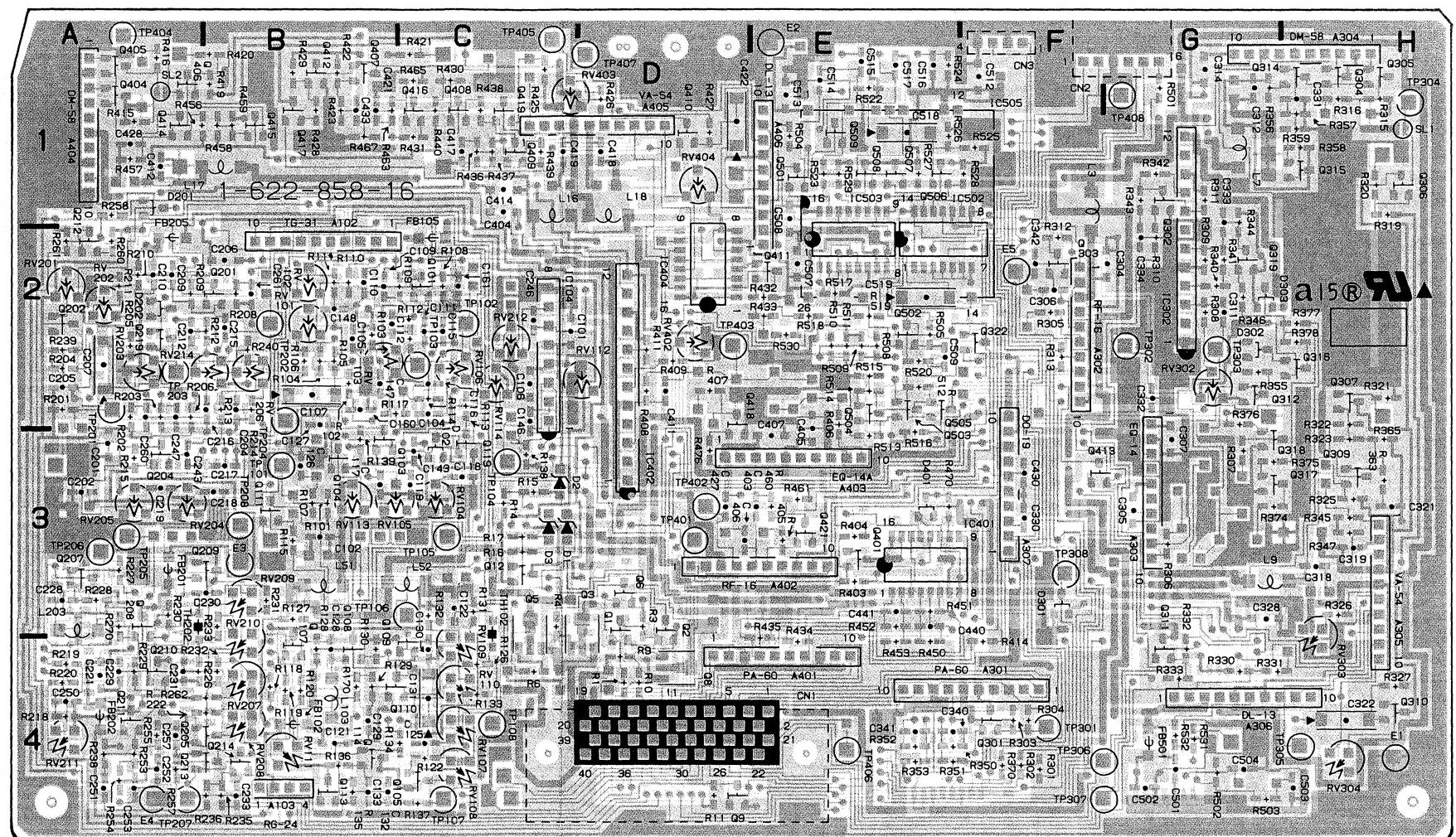


MDM-3P **MDM-3**



MDM-3/P — COMPONENT SIDE —
I-622-858-16(1)
F-1000

I-622-858-16(1)
BVW-35
BVW-35P



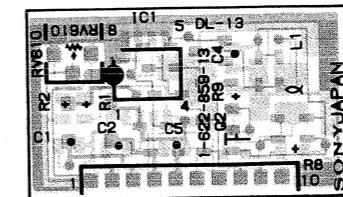
MDM-3/P — SOLDERING SIDE —
I-622-858-16(1)
BVW-35
BVW-35P

1-622-858-16(1)
BVW-35
BVW-35P

DL-13, DM-58A, DO-19

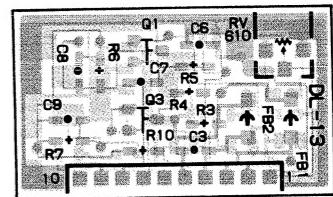
DL-13, DM-58A, DO-19

DL-13; 1H DELAY LINE FOR DOC
DM-58A; DEMODULATOR
DO-19; DO DETECTOR



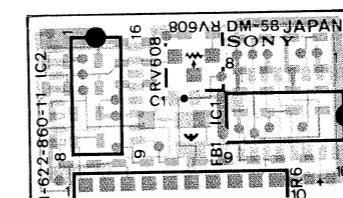
DL-13 — COMPONENT SIDE —

I-622-859-13(1)
BVW-35
BVW-35P



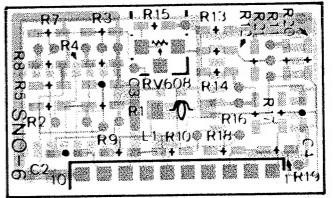
DL-13 — SOLDERING SIDE —

I-622-859-13(1)
BVW-35
BVW-35P



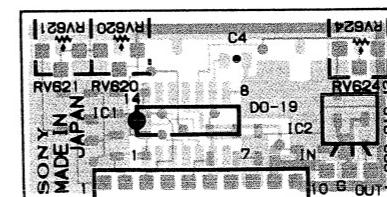
DM-58A — COMPONENT SIDE —

I-622-860-11(1)
BVW-35P



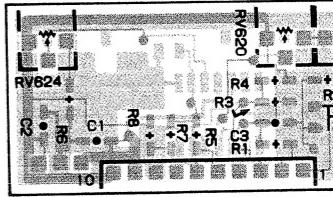
DM-58A — SOLDERING SIDE —

I-622-860-11(1)
BVW-35P



DO-19 — COMPONENT SIDE —

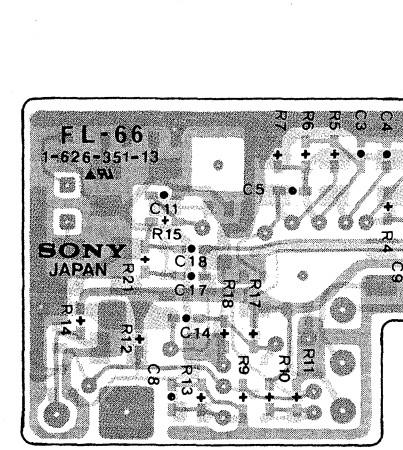
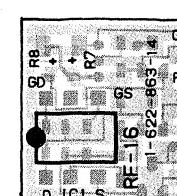
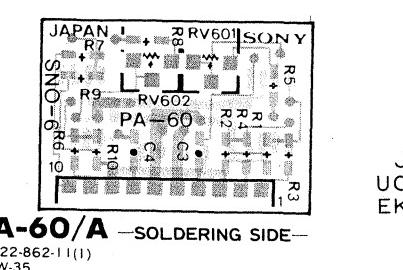
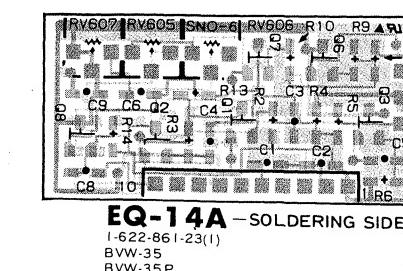
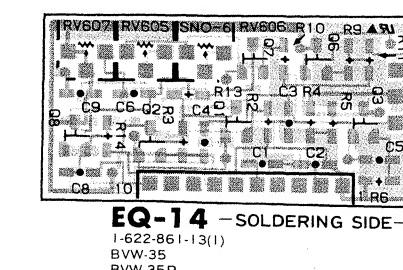
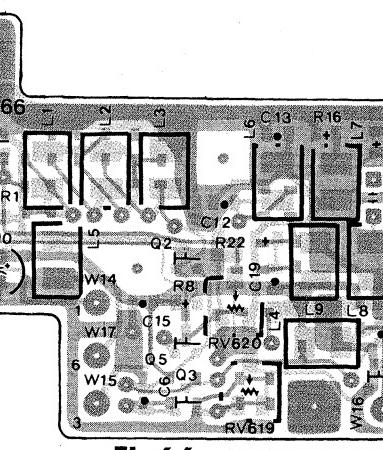
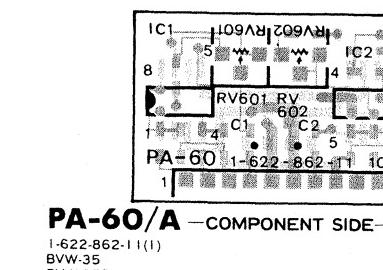
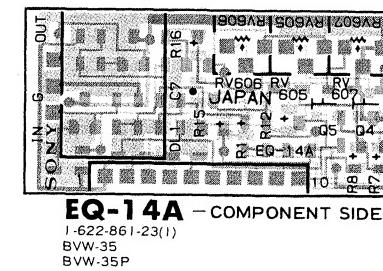
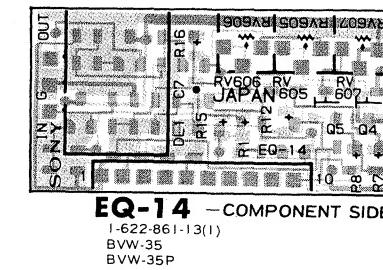
I-623-216-13(1)
BVW-35
BVW-35P



DO-19 — SOLDERING SIDE —

I-623-216-13(1)
BVW-35
BVW-35P

DUS-277; RF SWITCH
 EQ-14; COS EQUALIZER
 EQ-14A; COS EQUALIZER
 FL-66; FILTER
 PA-60A; PB AMPLIFIER
 RF-16A; RF AGC
 RG-24; +5V REGULATOR
 TG-31; TIMING GENERATOR
 VA-54; VIDEO AMPLIFIER



DUS-277; RF SWITCH

EQ-14; COS EQUALIZER

EQ-14A; COS EQUALIZER

FL-66; FILTER

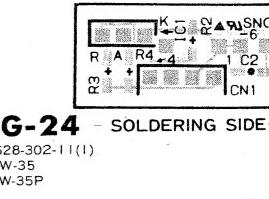
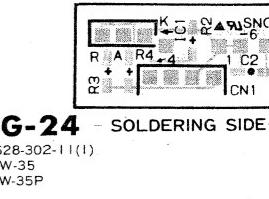
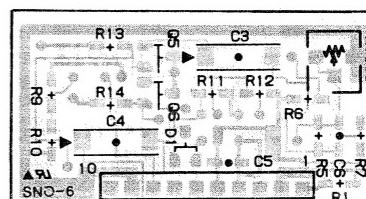
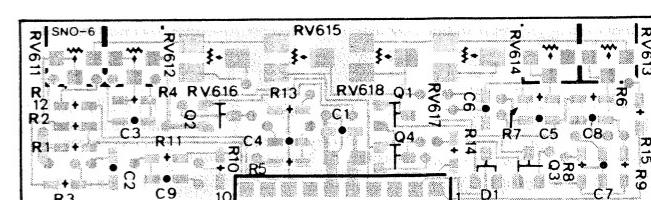
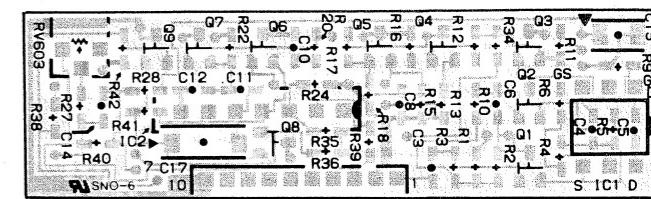
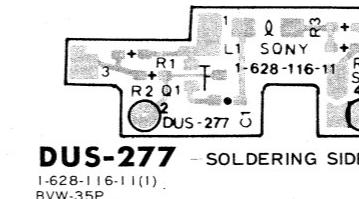
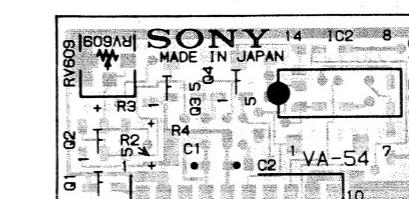
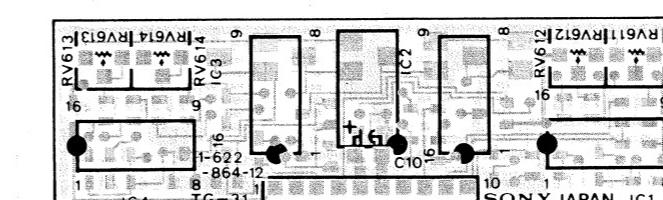
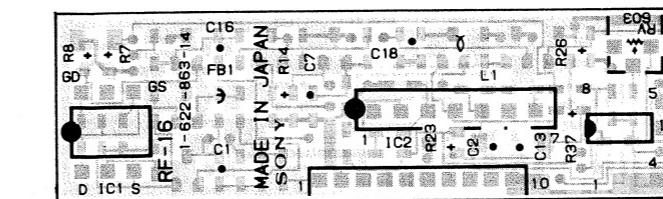
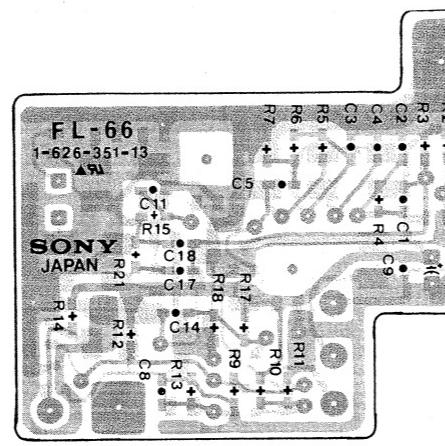
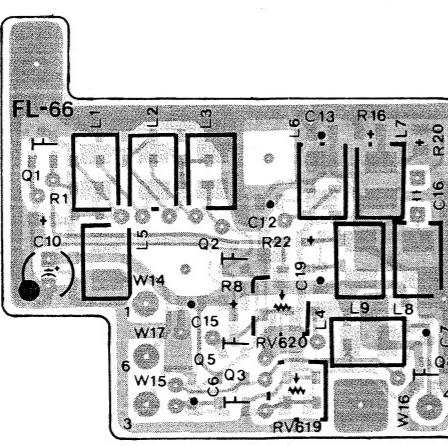
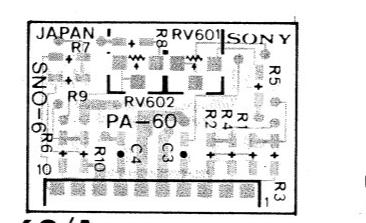
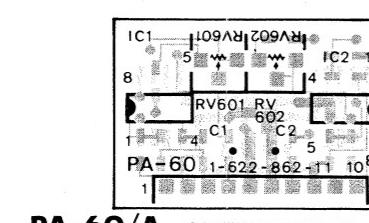
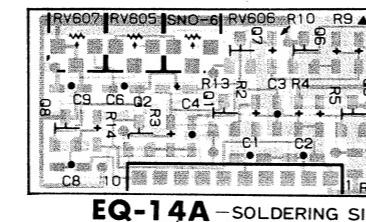
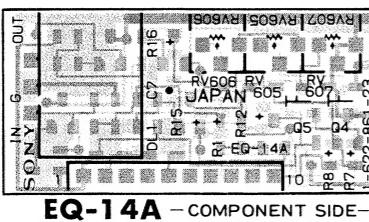
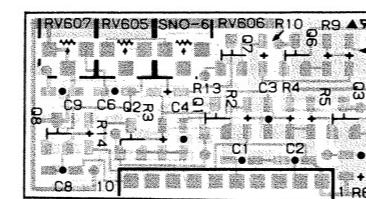
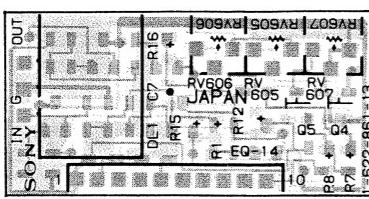
PA-60A; PB AMPLIFIER

RF-16A; RF AGC

RG-24; +5V REGULATOR

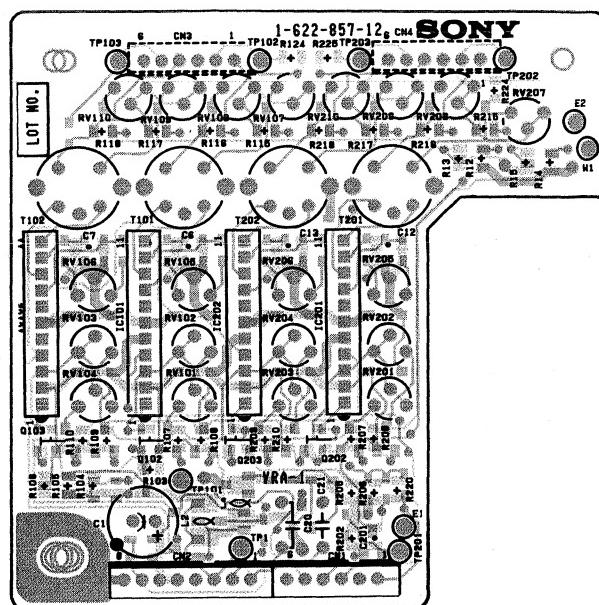
TG-31; TIMING GENERATOR

VA-54; VIDEO AMPLIFIER

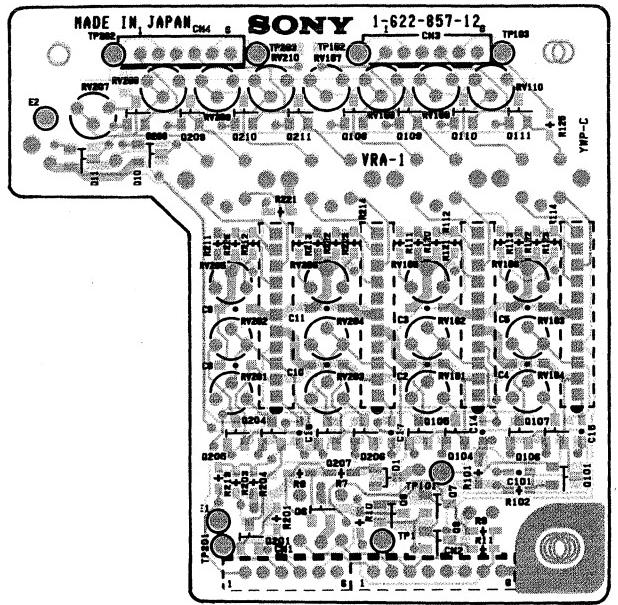


VRA-1 VRA-1

VRA-1 ; VIDEO REC AMPLIFIER



VRA-1 —COMPONENT SIDE—
I-622-857-12(1)
BVW-35
BVW-35P



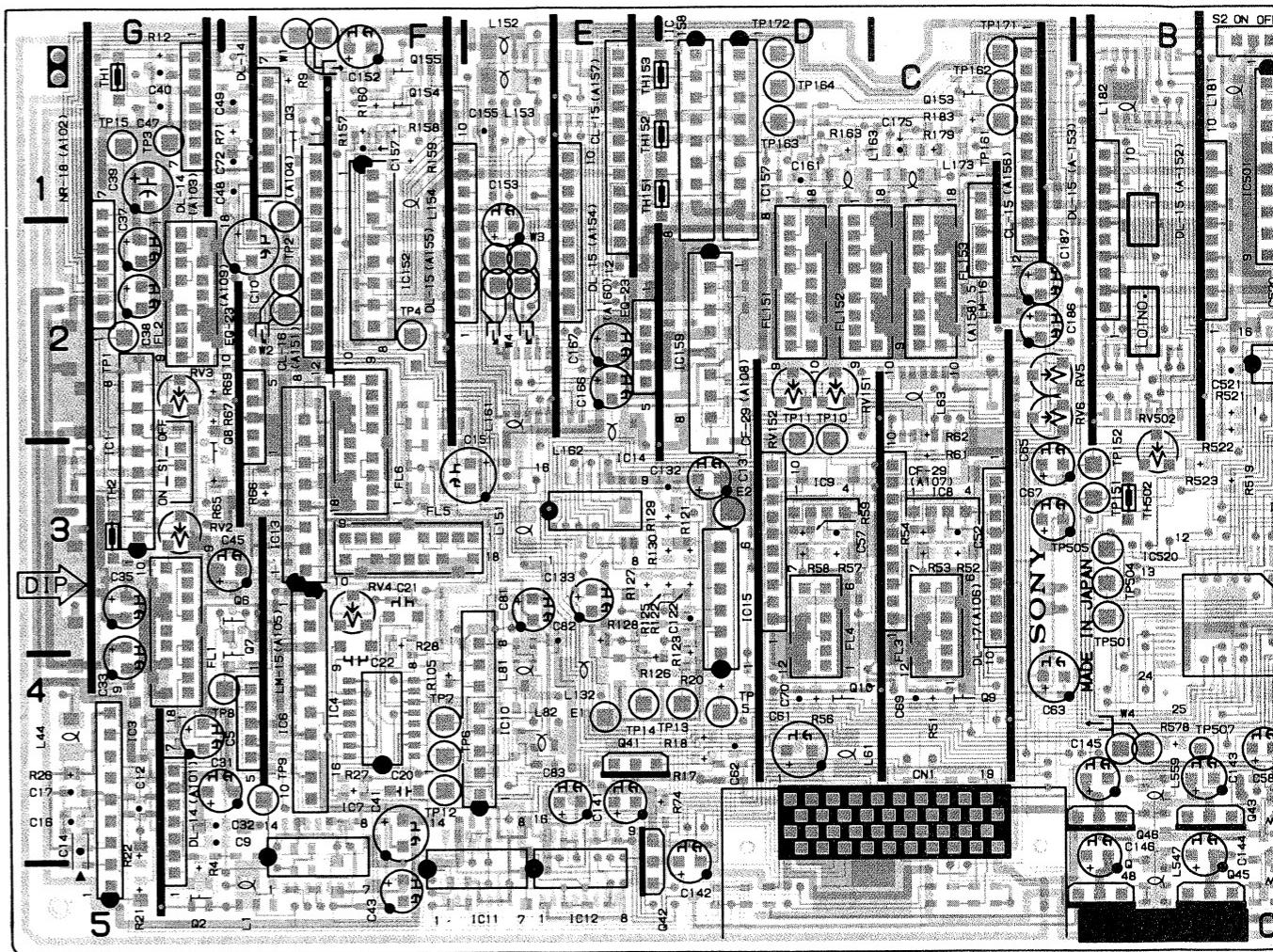
VRA-1 —SOLDERING SIDE—
I-622-857-12(1)
BVW-35
BVW-35P

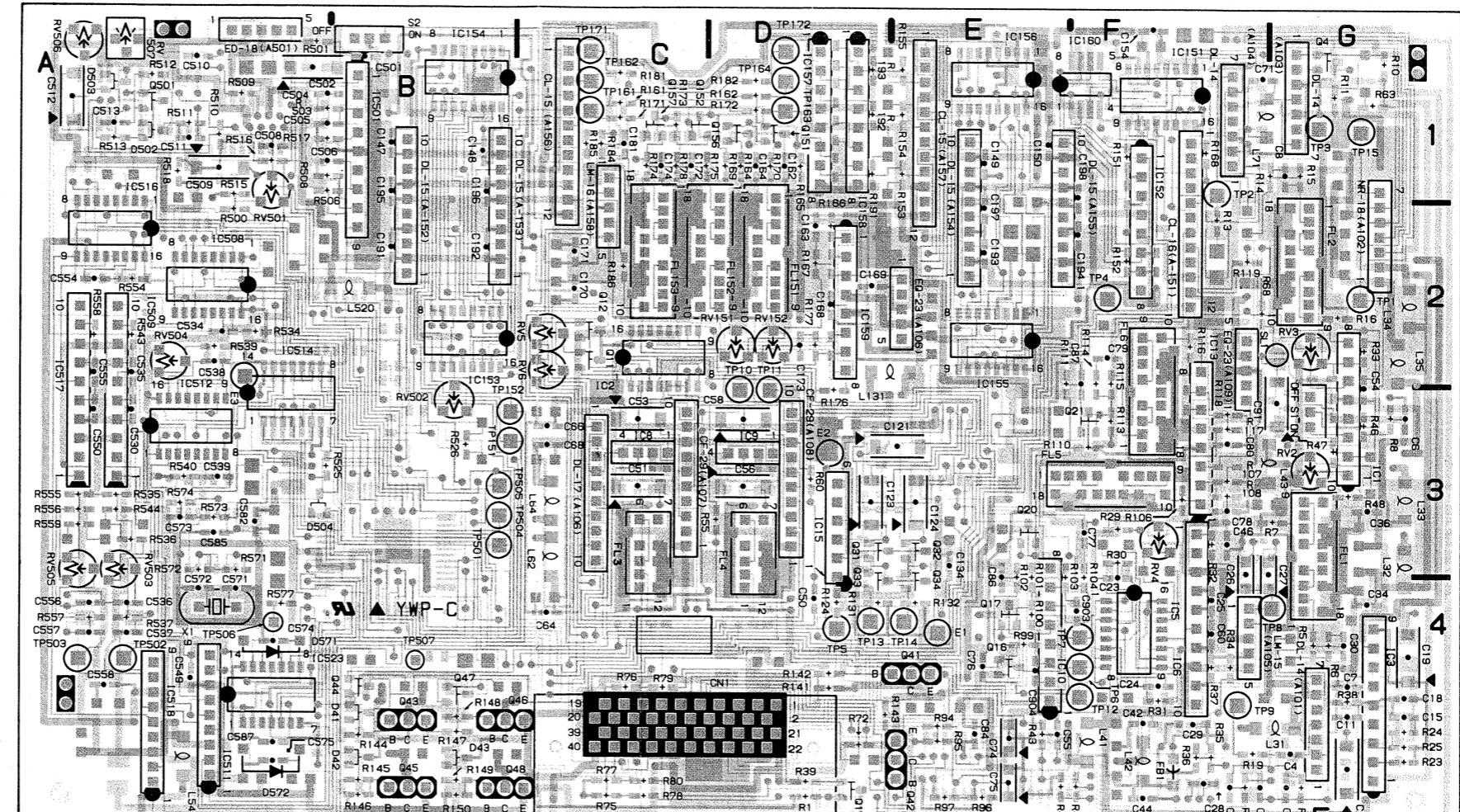
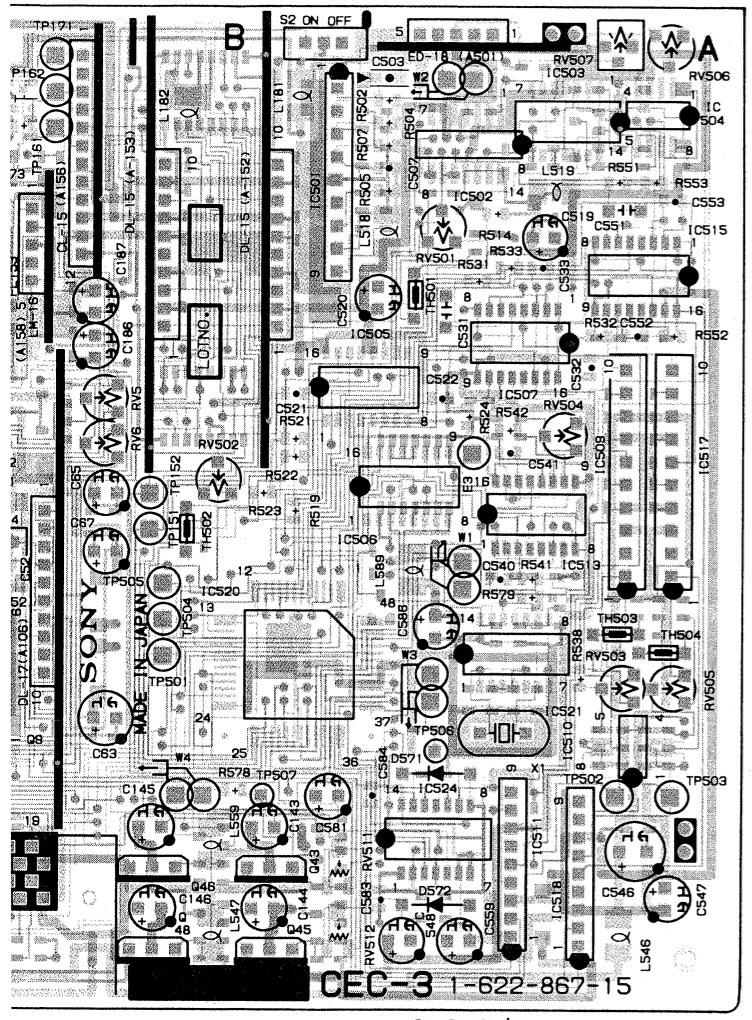
CEC-3P; CTDM/EXPANDER

CEC-3P(1-622-867-15)

CN1	C-4	C	IC510	A-4	C	RV503	A-3	C
			IC511	A-4	C	RV504	A-2	C
D41	B-4	S	IC512	A-3	S	RV505	A-3	C
D42	B-4	S	IC513	A-3	C	RV506	A-1	C
D43	B-4	S	IC514	A-3	S	RV507	B-3	C
D502	A-1	S	IC515	A-2	C	RV511	B-4	C
D503	A-1	S	IC516	A-2	S	RV512	B-5	C
D504	A-3	S	IC517	A-2	C			
D571	A-4	C	IC518	A-4	C	S1	G-3	C
D572	A-4	C	IC520	B-3	C	S2	B-1	C
			IC521	A-3	C			
E1	E-4	C	IC523	A-4	S	TP1	G-2	C
E2	D-3	C	IC524	A-4	C	TP2	F-2	C
E3	A-2	C				TP3	G-1	C
FL1	G-3	C	Q1	D-4	S	TP4	F-2	C
FL2	G-2	C	Q2	G-5	C	TP5	D-4	C
FL3	C-3	C	Q3	F-1	C	TP6	F-4	C
FL4	D-3	C	Q4	G-1	S	TP7	F-4	C
FL5	F-3	C	Q6	F-3	C	TP8	F-4	C
FL6	F-3	C	Q7	F-3	C	TP9	F-4	C
FL151	D-2	C	Q8	G-3	C	TP10	D-2	C
FL152	C-2	C	Q9	C-4	C	TP11	D-2	C
FL153	C-2	C	Q10	D-4	C	TP12	E-4	C
			Q11	C-2	S	TP13	D-4	C
			Q12	C-2	S	TP14	E-4	C
IC1	G-3	C	Q16	E-4	S	TP15	G-1	C
IC2	C-2	S	Q17	E-4	S	TP151	B-3	C
IC3	G-4	C	Q20	E-3	S	TP152	B-3	C
IC4	F-4	C	Q21	F-3	S	TP161	C-1	C
IC5	F-4	S	Q31	D-3	S	TP162	C-1	C
IC6	F-4	C	Q32	E-3	S	TP163	D-1	C
IC7	F-4	C	Q33	D-4	S	TP164	D-1	C
IC8	C-3	C	Q34	E-4	S	TP171	C-1	C
IC9	D-3	C	Q41	E-4	C	TP172	D-1	C
IC10	E-4	C	Q42	E-4	C	TP501	B-3	C
IC11	E-5	C	Q43	B-4	C	TP502	A-4	C
IC12	E-5	C	Q44	B-4	S	TP503	A-4	C
IC13	F-3	C	Q45	B-4	C	TP504	B-3	C
IC14	E-3	C	Q46	B-4	C	TP505	B-3	C
IC15	D-3	C	Q47	B-4	S	TP506	A-4	C
IC151	F-1	S	Q48	B-4	C	TP507	B-4	C
IC152	F-2	C	Q151	D-1	C			
IC153	B-2	S	Q152	C-1	C	X1	A-4	C
IC154	B-1	S	Q153	C-1	C			
IC155	E-2	S	Q154	F-1	C			
IC156	E-1	S	Q155	F-1	C			
IC157	D-1	C	Q156	D-1	C			
IC158	D-1	C	Q157	A-1	S			
IC159	D-2	C	Q501	A-1	S			
IC160	F-1	S						
IC501	B-1	C	RV2	G-3	C			
IC502	A-1	C	RV3	G-2	C			
IC503	A-1	C	RV4	F-3	C			
IC504	A-1	C	RV5	C-2	C			
IC505	A-2	C	RV6	C-2	C			
IC506	A-3	C	RV151	D-2	C			
IC507	A-2	C	RV152	D-2	C			
IC508	A-2	S	RV501	A-1	C			
IC509	A-2	C	RV502	B-3	C			

- C; COMPONENT SIDE
- S; SOLDERING SIDE



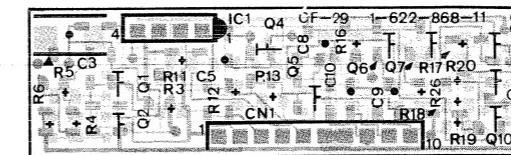


CF-29 ; COMB FILTER

CL-15 ; CLAMPER FOR DL-15 OUT SIGNALS

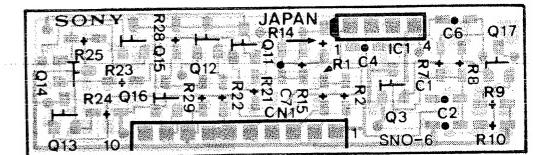
CL-16 ; CLAMPER FOR DL-15 IN SIGNALS

DL-14 ; 1H DELAY LINE



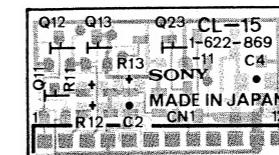
CF-29 -COMPONENT SIDE-

I-622-868-11(1)
BVW-35
BVW-35P



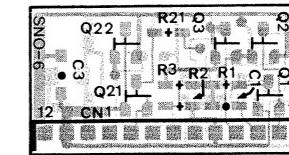
CF-29 -SOLDERING SIDE-

I-622-868-11(1)
BVW-35
BVW-35P



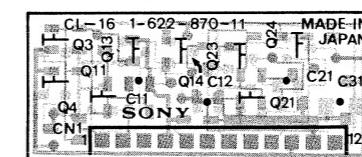
CL-15 -COMPONENT SIDE-

I-622-869-11(1)
BVW-35
BVW-35P



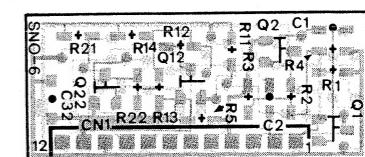
CL-15 -SOLDERING SIDE-

I-622-869-11(1)
BVW-35
BVW-35P



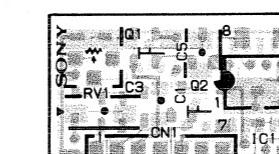
CL-16 -COMPONENT SIDE-

I-622-870-11(1)
BVW-35
BVW-35P



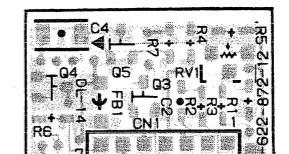
CL-16 -SOLDERING SIDE-

I-622-870-11(1)
BVW-35
BVW-35P



DL-14 -COMPONENT SIDE-

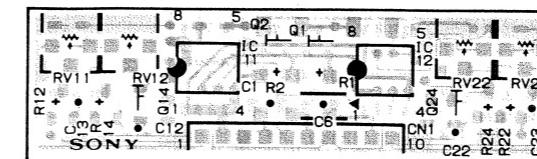
I-622-872-12(1)
BVW-35
BVW-35P



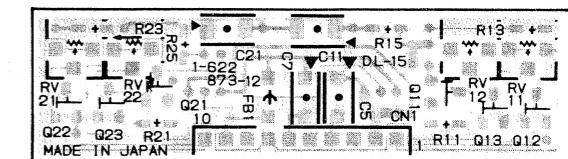
DL-14 -SOLDERING SIDE-

I-622-872-12(1)
BVW-35
BVW-35P

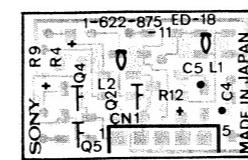
- DL-15;** 1/2, 1H DELAY LINE
DL-17; 1H DELAY LINE FOR CF
ED-18; EDGE DETECTOR
EQ-23; DELAY CIRCUIT
LM-15; LIMITER FOR PRE-PHASER
LM-16; LIMITER FOR REC 100% CTDM SIGNAL
NR-18; NOISE CANCELLER FOR PB CTDM SIGNAL



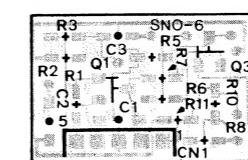
DL-15 —COMPONENT SIDE—
I-622-873-12, 13(1)
BVW-35
BVW-35P



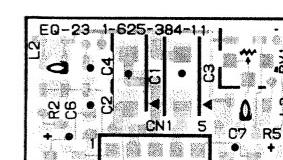
DL-15 —SOLDERING SIDE—
I-622-873-12, 13(1)
BVW-35
BVW-35P



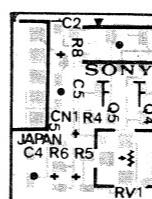
ED-18 —COMPONENT SIDE—
I-622-875-11(1)
BVW-35
BVW-35P



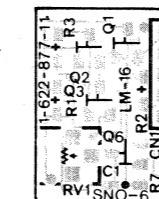
ED-18 —SOLDERING SIDE—
I-622-875-11(1)
BVW-35
BVW-35P



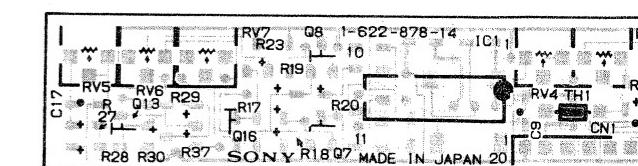
EQ-23 —COMPONENT SIDE—
I-625-384-11, 12(1)
BVW-35
BVW-35P



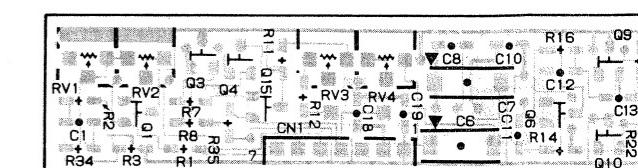
LM-16 —COMPONENT SIDE—
I-622-877-11(1)
BVW-35
BVW-35P



LM-16 —SOLDERING SIDE—
I-622-877-11(1)
BVW-35
BVW-35P



NR-
I-622-87
BVW-35
BVW-35P



NR-
I-622-87
BVW-35
BVW-35P

DL-15; 1/2, 1H DELAY LINE

DL-17; 1H DELAY LINE FOR CF

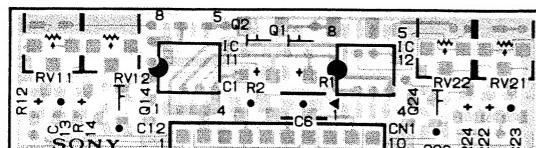
ED-18; EDGE DETECTOR

EQ-23; DELAY CIRCUIT

LM-15; LIMITER FOR PRE-PHASER

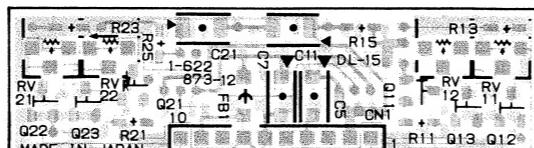
LM-16; LIMITER FOR REC 100% CTDM SIGNAL

NR-18; NOISE CANCELLER FOR PB CTDM SIGNAL



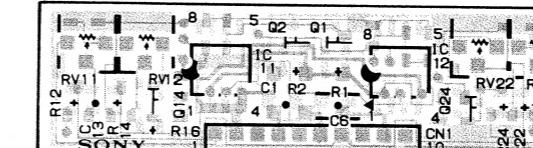
DL-15 —COMPONENT SIDE—

I-622-873-12, 13(1)
BVW-35
BVW-35P



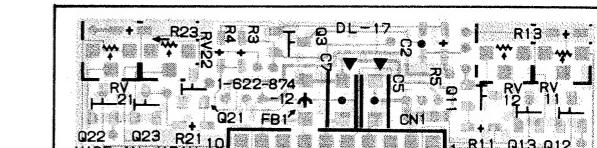
DL-15 —SOLDERING SIDE—

I-622-873-12, 13(1)
BVW-35
BVW-35P



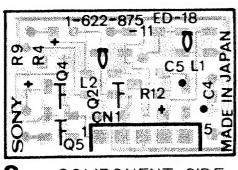
DL-17 —COMPONENT SIDE—

I-622-874-12, 13(1)
BVW-35
BVW-35P



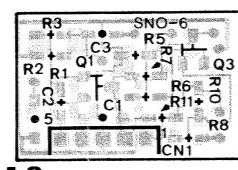
DL-17 —SOLDERING SIDE—

I-622-874-12, 13(1)
BVW-35
BVW-35P



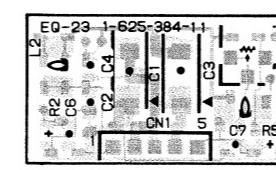
ED-18 —COMPONENT SIDE—

I-622-875-11(1)
BVW-35
BVW-35P



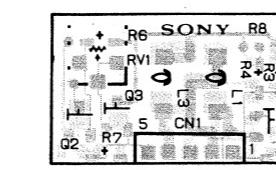
ED-18 —SOLDERING SIDE—

I-622-875-11(1)
BVW-35
BVW-35P



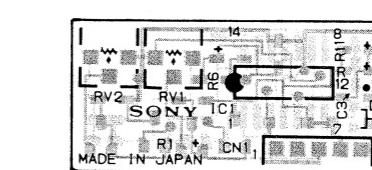
EQ-23 —COMPONENT SIDE—

I-625-384-11, 12(1)
BVW-35
BVW-35P



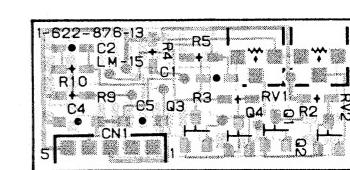
EQ-23 —SOLDERING SIDE—

I-625-384-11, 12(1)
BVW-35
BVW-35P



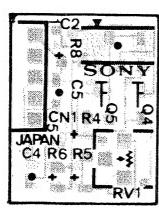
LM-15 —COMPONENT SIDE—

I-622-867-13(1)
BVW-35
BVW-35P

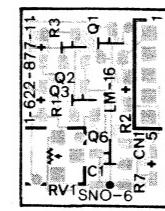


LM-15 —SOLDERING SIDE—

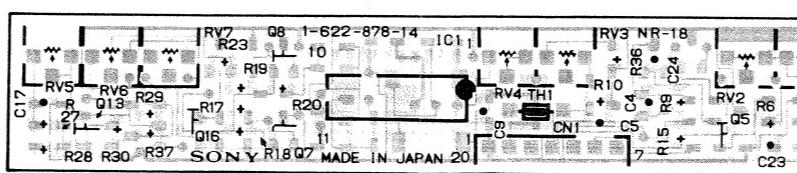
I-622-876-13(1)
BVW-35
BVW-35P

LM-16
—COMPONENT SIDE—

I-622-877-11(1)
BVW-35
BVW-35P

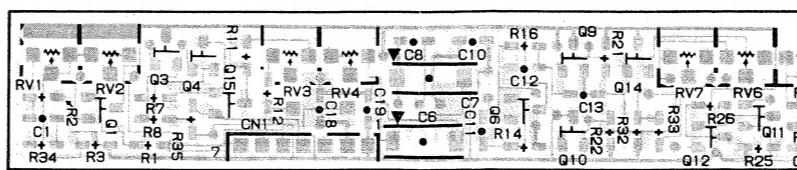
LM-16
—SOLDERING SIDE—

I-622-877-11(1)
BVW-35
BVW-35P



NR-18 —COMPONENT SIDE—

I-622-878-14, 15(1)
BVW-35
BVW-35P



NR-18 —SOLDERING SIDE—

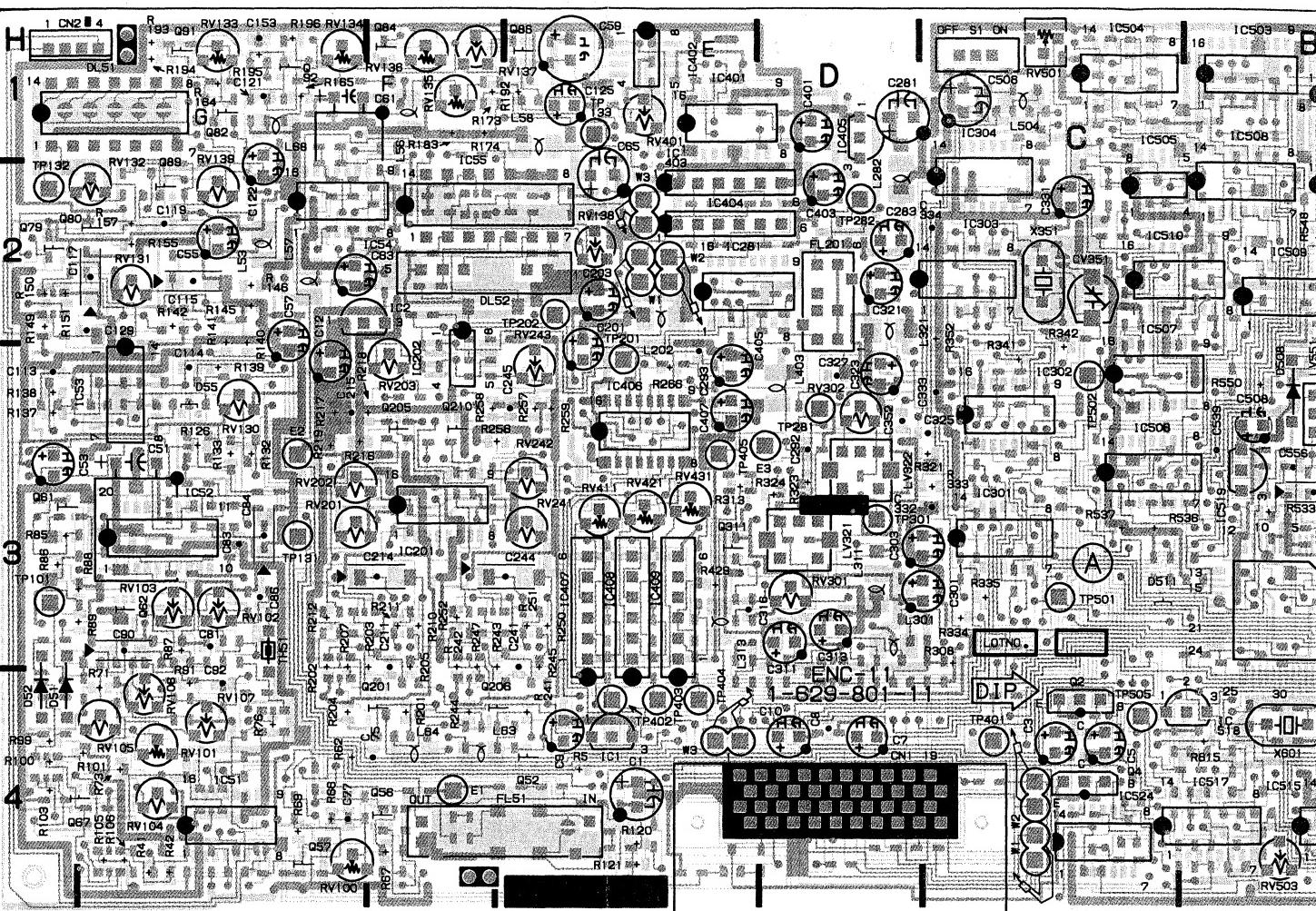
I-622-878-14, 15(1)
BVW-35
BVW-35P

ENC-11P; VIDEO ENCODER/Y PROCESSOR

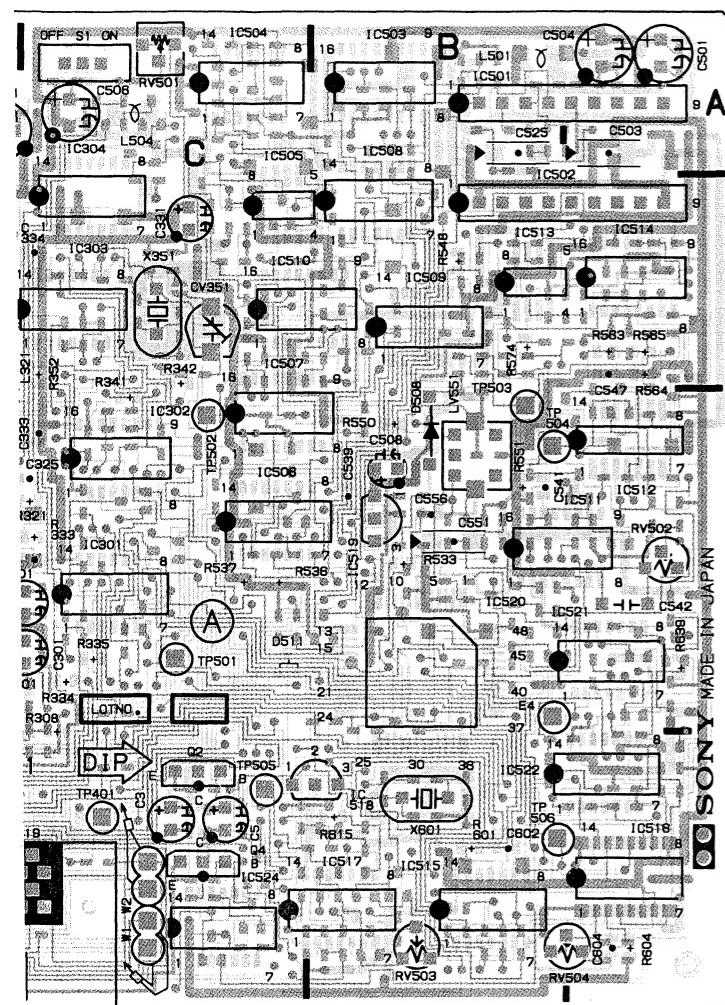
ENC-11P(1-629-801-11,12)

CN1	D-4	C	IC407	E-3	C	Q84	F-1	C	RV243	E-2	C
CN2	H-1	C	IC408	E-3	C	Q85	F-1	S	RV301	D-3	C
			IC409	E-3	C	Q86	E-1	C	RV302	D-3	C
CV351	C-2	C	IC501	B-1	C	Q87	E-1	S	RV401	E-1	C
			IC502	B-2	C	Q88	F-2	S	RV411	E-3	C
D1	C-4	C	IC503	B-1	C	Q89	G-2	C	RV421	E-3	C
D53	G-3	S	IC504	C-1	C	Q90	G-1	S	RV431	E-3	C
D54	B-3	S	IC505	C-1	C	Q91	G-1	C	RV501	C-1	C
D55	G-3	C	IC506	C-3	C	Q92	G-1	C	RV502	A-3	C
D301	D-4	S	IC507	C-2	C	Q201	F-4	C	RV503	B-4	C
D331	C-3	S	IC508	B-1	C	Q202	G-4	S	RV504	A-4	C
D501	B-2	S	IC509	B-2	C	Q203	F-4	S			
D502	C-1	S	IC510	C-2	C	Q204	G-3	S	S1	C-1	C
D503	C-2	S	IC511	A-3	C	Q205	F-3	C			
D504	C-1	S	IC512	A-3	C	Q206	F-4	C	TH51	G-3	C
D505	C-1	S	IC513	B-2	C	Q207	F-3	S			
D506	A-2	S	IC514	A-2	C	Q208	E-4	S	TP101	H-3	C
D507	B-2	S	IC515	B-4	C	Q209	F-3	S	TP131	G-3	C
D508	B-3	C	IC516	A-4	C	Q210	F-3	C	TP132	H-2	C
D509	B-4	S	IC517	B-4	C	Q281	D-2	S	TP133	E-1	C
D510	B-4	S	IC518	B-4	C	Q301	D-4	S	TP201	E-2	C
D511	C-3	C	IC519	B-3	C	Q302	D-3	S	TP202	E-2	C
D512	B-3	S	IC520	B-3	C	Q311	E-3	C	TP281	D-3	C
D513	A-3	S	IC521	A-3	C	Q321	D-3	S	TP282	D-2	C
D514	A-3	S	IC522	B-4	C	Q332	C-3	S	TP301	D-3	C
D515	C-4	S	IC523	A-4	S	Q501	C-1	S	TP401	C-4	C
			IC524	C-4	C	Q502	C-3	S	TP402	E-4	C
DL51	G-1	C				Q503	B-3	S	TP403	E-4	C
DL52	F-2	C	LV321	D-3	C	Q504	C-1	S	TP404	E-4	C
			LV322	D-3	C	Q511	A-3	S	TP405	E-3	C
E1	F-4	C	LV551	B-3	C	Q512	A-3	S	TP501	C-3	C
E2	G-3	C				Q513	A-2	S	TP502	C-3	C
E3	D-3	C	Q1	C-4	S	Q514	B-3	S	TP503	B-3	C
E4	B-3	C	Q2	C-4	C	Q515	B-3	S	TP504	B-3	C
			Q4	C-4	C	Q516	A-3	S	TP505	C-4	C
FL51	E-4	C	Q51	E-4	S	Q517	A-3	S	TP506	B-4	C
FL201	D-2	C	Q52	E-4	C	Q521	B-4	S	X351	C-2	C
			Q53	F-4	C	Q522	B-4	S	X601	B-4	C
IC1	E-4	C	Q54	F-4	C						
IC2	F-2	C	Q55	F-4	S	RV100	G-4	C			
IC51	G-4	C	Q56	F-4	C	RV101	G-4	C			
IC52	G-3	C	Q57	G-4	C	RV102	G-3	C			
IC53	H-3	C	Q58	G-4	S	RV103	G-3	C			
IC54	F-2	C	Q59	G-4	S	RV104	G-4	C			
IC55	F-2	C	Q60	H-4	S	RV130	G-3	C			
IC201	F-3	C	Q61	H-3	C	RV131	G-2	C			
IC202	F-3	C	Q71	G-4	S	RV132	G-2	C			
IC203	E-3	S	Q72	G-3	S	RV133	G-1	C			
IC281	E-2	C	Q73	G-3	S	RV134	G-1	C			
IC301	C-3	C	Q74	G-3	S	RV135	F-1	C			
IC302	C-3	C	Q75	G-3	S	RV136	F-1	C			
IC303	C-2	C	Q76	H-3	S	RV137	E-1	C			
IC304	C-1	C	Q77	G-2	S	RV138	E-2	C			
IC401	E-1	C	Q78	H-2	S	RV139	G-2	C			
IC402	E-1	C	Q79	H-2	C	RV201	G-3	C			
IC403	E-2	C	Q80	H-2	C	RV202	G-3	C			
IC404	E-2	C	Q81	G-2	S	RV203	F-3	C			
IC405	D-1	C	Q82	G-1	C	RV241	E-3	C			
IC406	E-3	C	Q83	G-1	S	RV242	E-3	C			

- C; COMPONENT SIDE
- S; SOLDERING SIDE

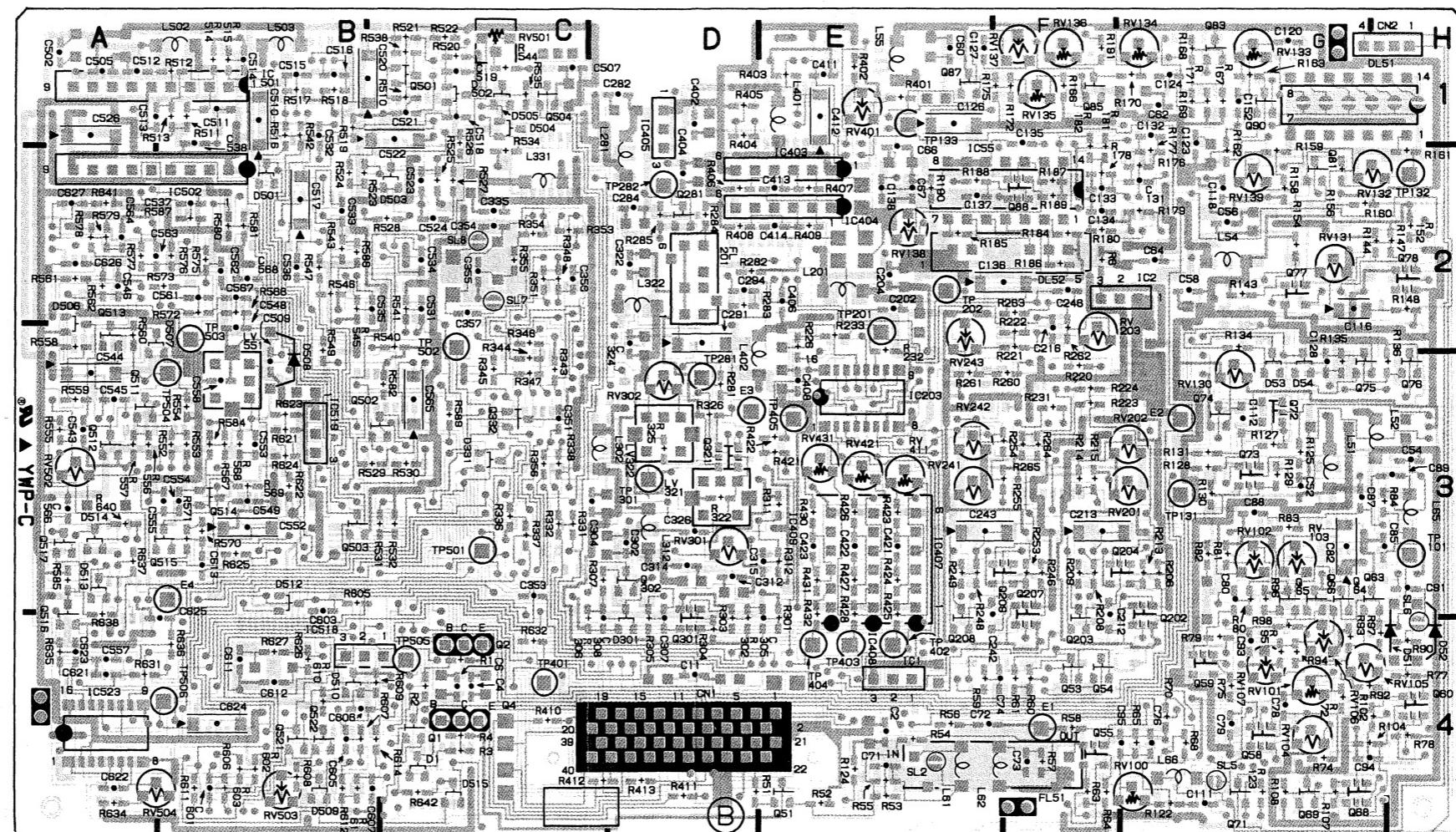


ENC-11P
1-629-801-11, 120
BVW-35
BVW-35P
BVW-35PM



ENC-11/P/PM -COMPONENT SIDE-

I-629-801-11, 12(1)
BVW-35
BVW-35P
BVW-35PM

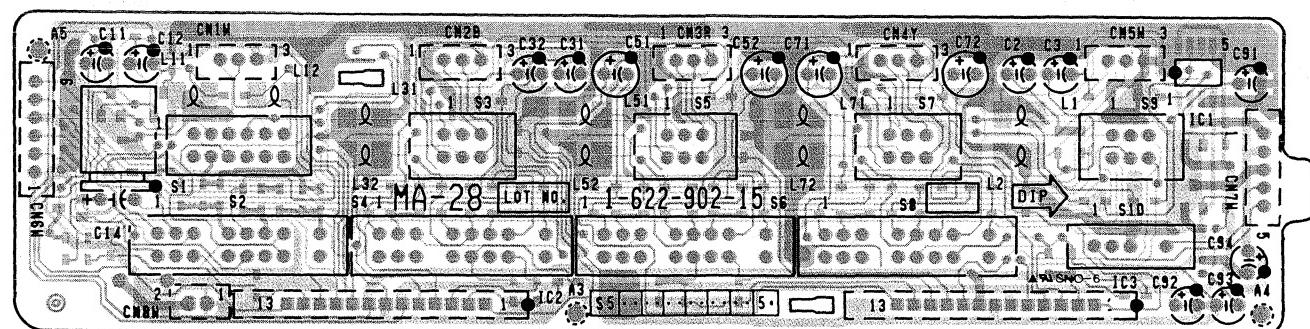


ENC-11/P/PM -SOLDERING SIDE-

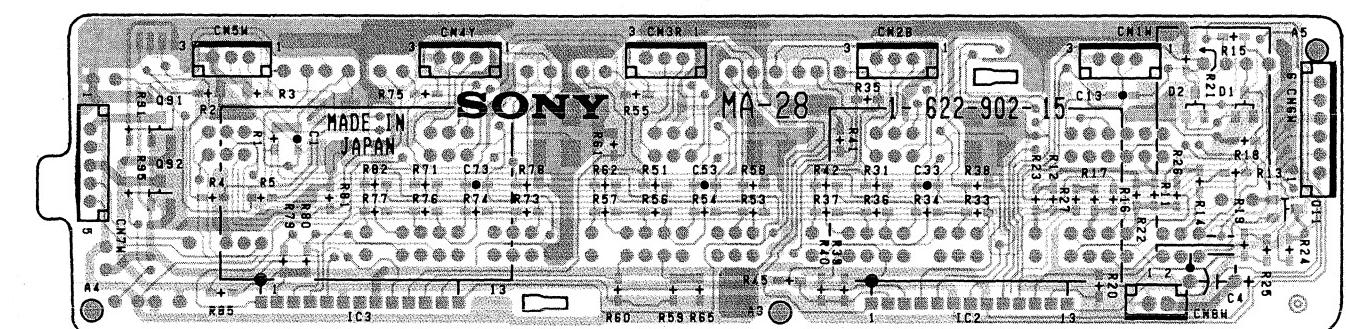
I-629-801-11, 12(1)
BVW-35
BVW-35P
BVW-35PM

MA-28 MA-28

MA-28 ; MIC AMPLIFIER



MA-28 - SOLDERING SIDE
I-622-902-15(I)
BVW-35
BVW-35P



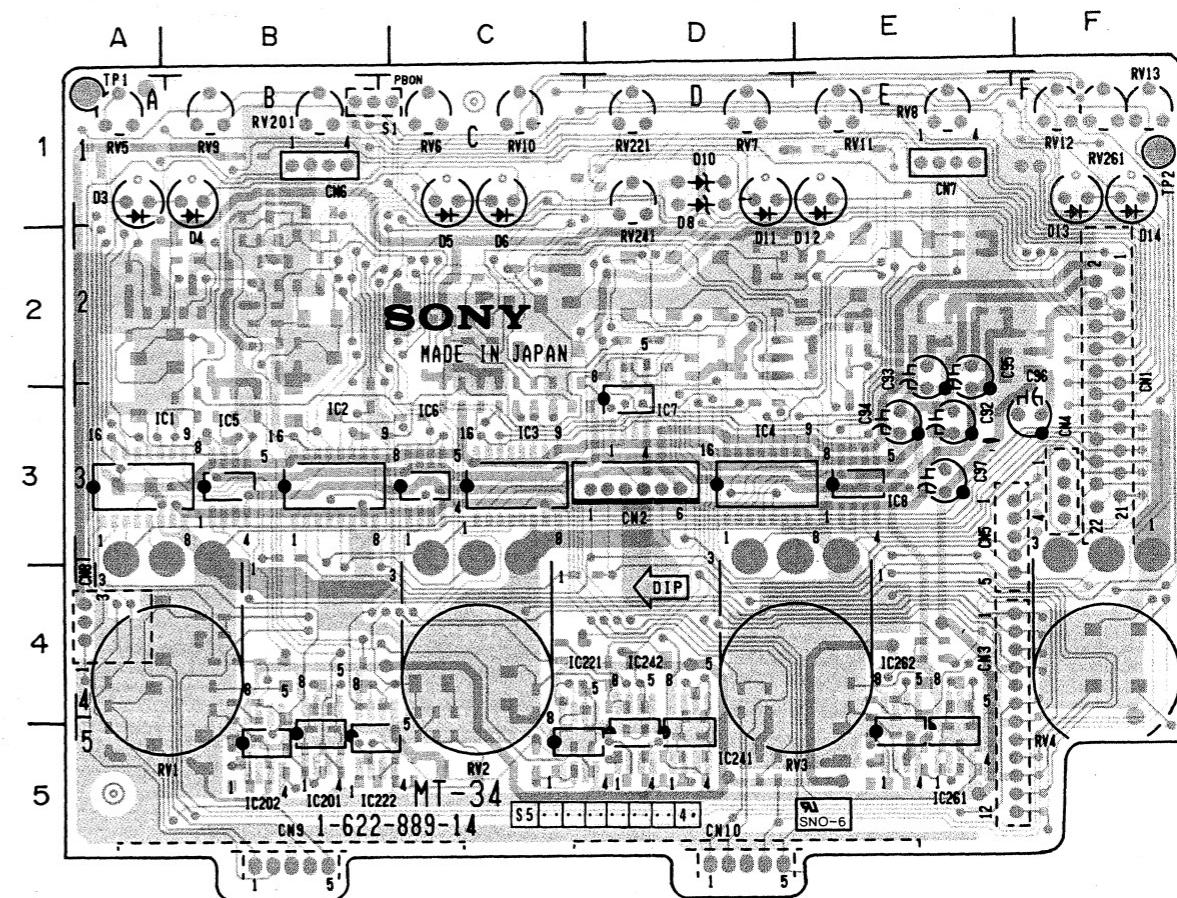
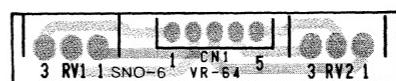
MA-28 - COMPONENT SIDE
I-622-902-15(I)
BVW-35
BVW-35P

MT-34 ; METER DRIVE/AUDIO LEVEL

VR-64 ; PB LEVEL

MT-34 (1-622-889-14)

CN1	F-2	C	RV1	A-4	C
CN2	D-3	C	RV2	C-4	C
CN3	E-4	C	RV3	E-4	C
CN4	F-3	C	RV4	F-4	C
CN5	E-3	C	RV5	A-1	C
CN6	B-1	C	RV6	C-1	C
CN7	E-1	C	RV7	D-1	C
CN8	A-4	C	RV8	E-1	C
CN9	B-5	C	RV9	B-1	C
CN10	D-5	C	RV10	C-1	C
			RV11	E-1	C
D1	B-2	S	RV12	F-1	C
D2	C-2	S	RV13	F-1	C
D3	A-1	C	RV201	B-1	C
D4	B-1	C	RV221	D-1	C
D5	C-1	C	RV241	D-1	C
D6	C-1	C	RV261	F-1	C
D7	C-1	S			
D8	D-1	C	S1	B-1	C
D9	C-3	S			
D10	D-1	C	*- * C; COMPONENT SIDE		
D11	D-1	C	*- * S; SOLDERING SIDE		
D12	E-1	C			
D13	F-1	C			
D14	F-1	C			
D201	B-4	S			
D202	B-5	S			
D221	C-4	S			
D222	B-5	S			
D241	D-4	S			
D242	D-5	S			
D261	E-4	S			
D262	E-5	S			
D301	B-1	S			
IC1	A-3	C			
IC2	B-3	C			
IC3	C-3	C			
IC4	D-3	C			
IC5	B-3	C			
IC6	C-3	C			
IC7	D-3	C			
IC8	E-3	C			
IC201	B-5	C			
IC202	B-5	C			
IC221	C-5	C			
IC222	B-5	C			
IC241	D-5	C			
IC242	D-5	C			
IC261	E-5	C			
IC262	E-5	C			
Q1	B-2	S			
Q2	B-2	S			
Q3	C-2	S			
Q4	E-2	S			
Q5	E-2	S			
Q6	F-3	S			
Q301	B-1	S			
Q302	D-2	S			
Q303	D-2	S			

MT-34 - COMPONENT SIDE -
I-622-889-14(1)
BVW-35
BVW-35P

VR-64 - COMPONENT SIDE -

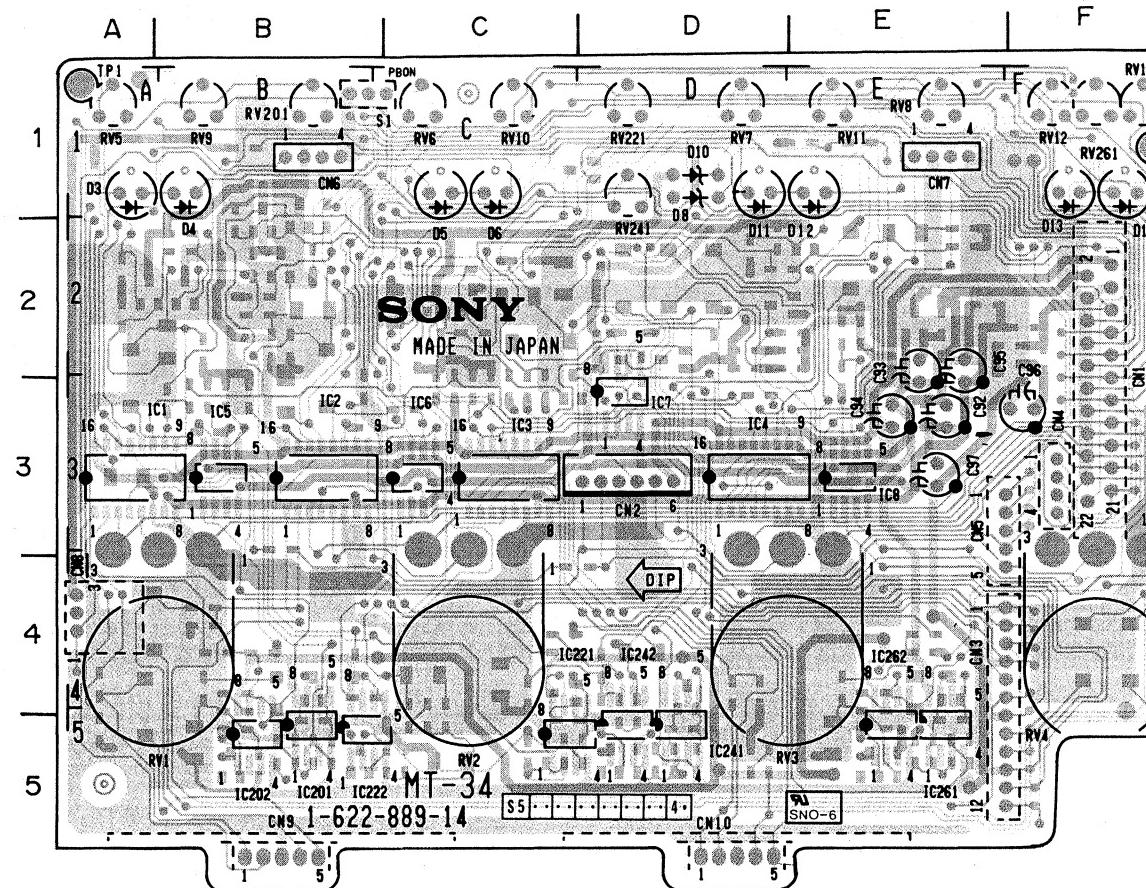
I-623-217-12(1)
BVW-35
BVW-35P

MT-34 ; METER DRIVE/AUDIO LEVEL

VR-64 ; PB LEVEL

A-4	C
C-4	C
E-4	C
F-4	C
A-1	C
C-1	C
D-1	C
E-1	C
B-1	C
C-1	C
E-1	C
F-1	C
B-1	C
D-1	C
E-1	C
F-1	C

COMPONENT SIDE
SOLDERING SIDE



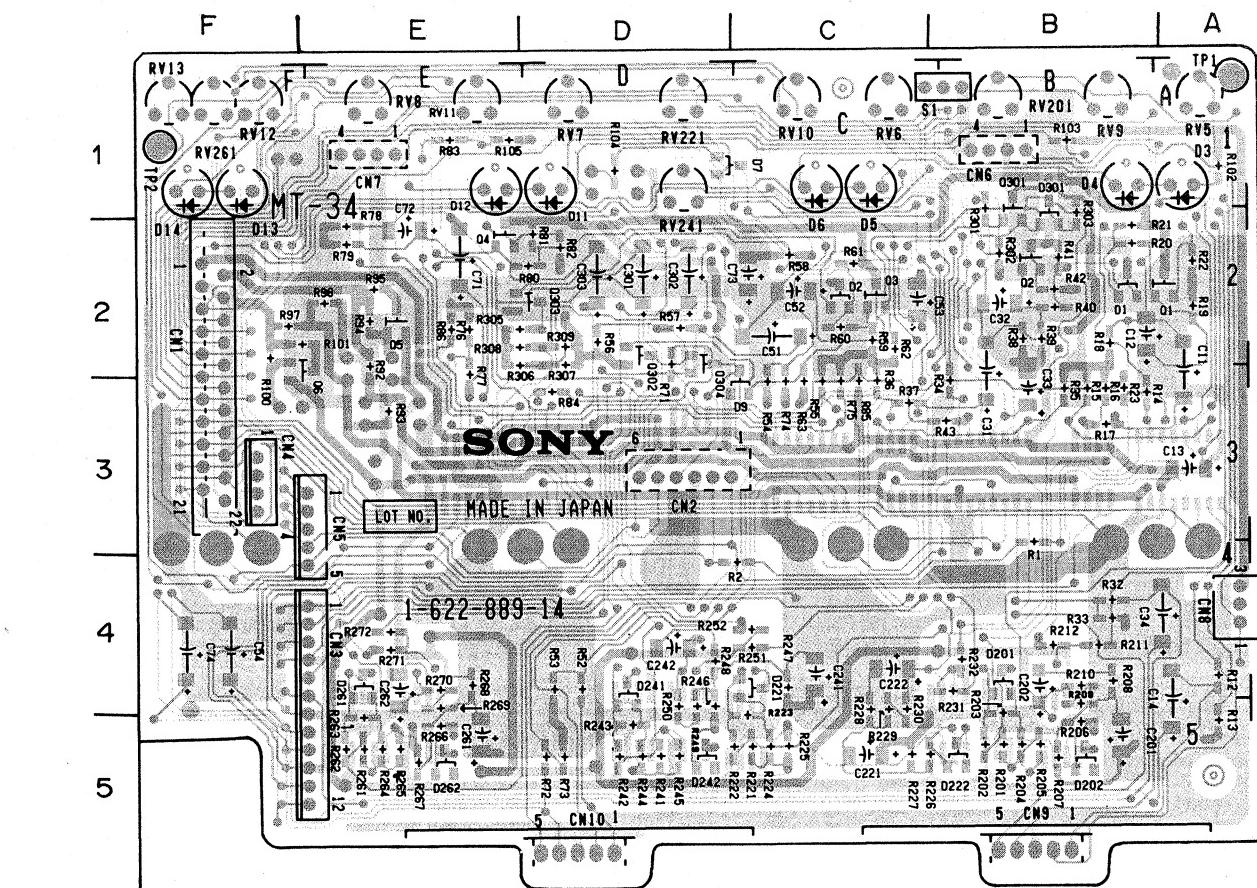
MT-34 - COMPONENT SIDE

I-622-889-1
BVW-35
BVW-35B



VR-64 —COMPONENT SIDE

I-623-217-12(I)
BVW-35
BVW-35P



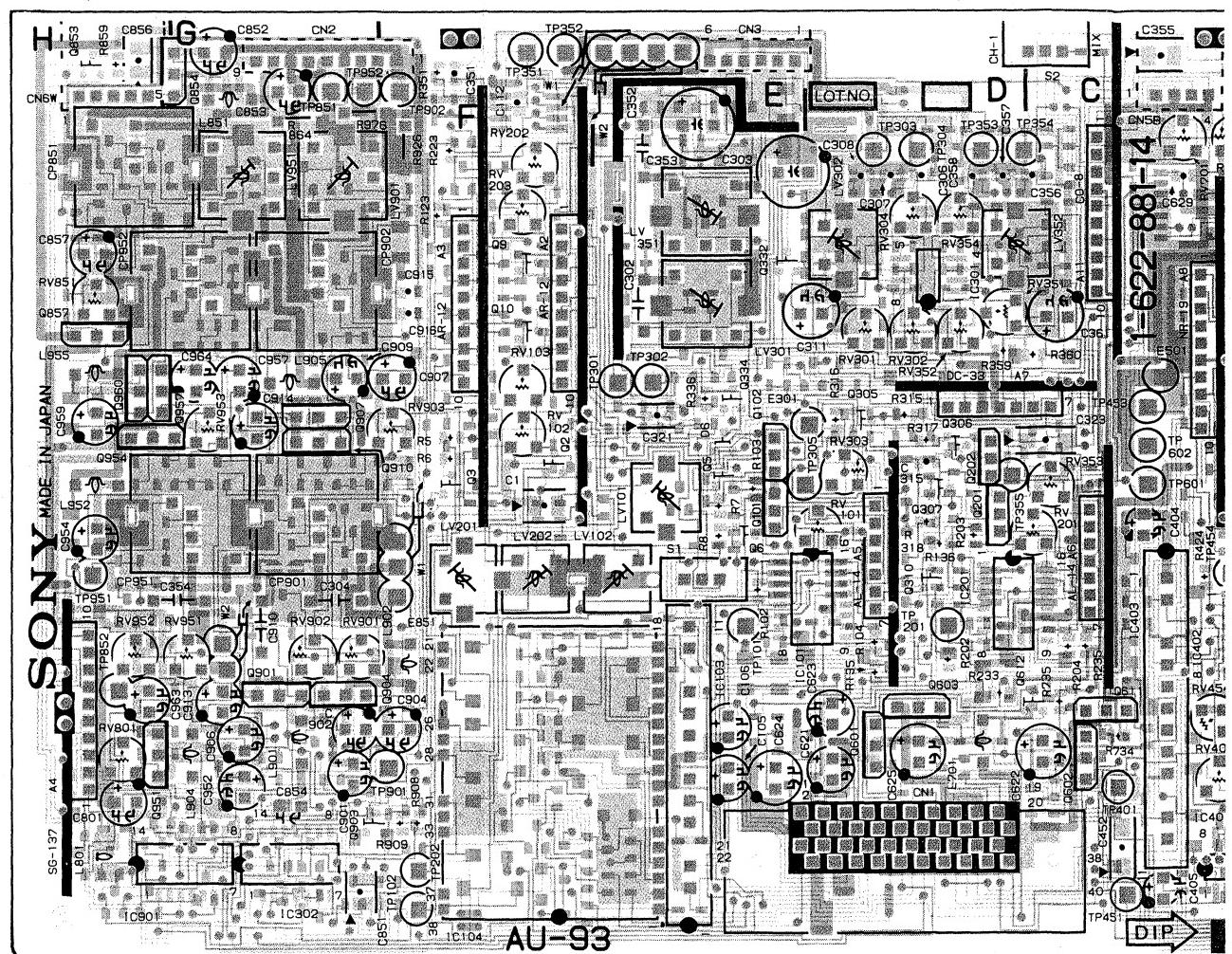
MT-34 — SOLDERING SIDE —

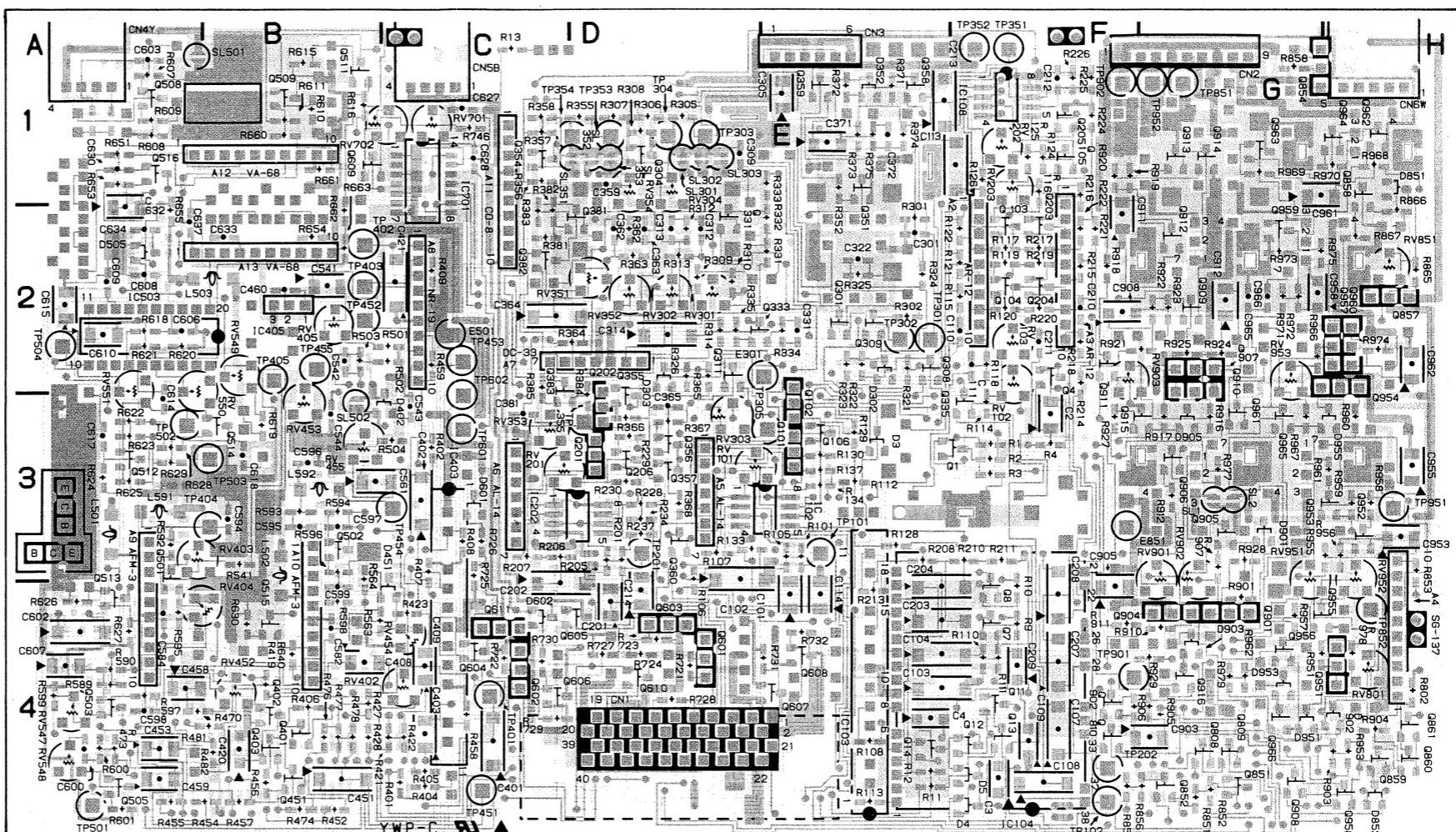
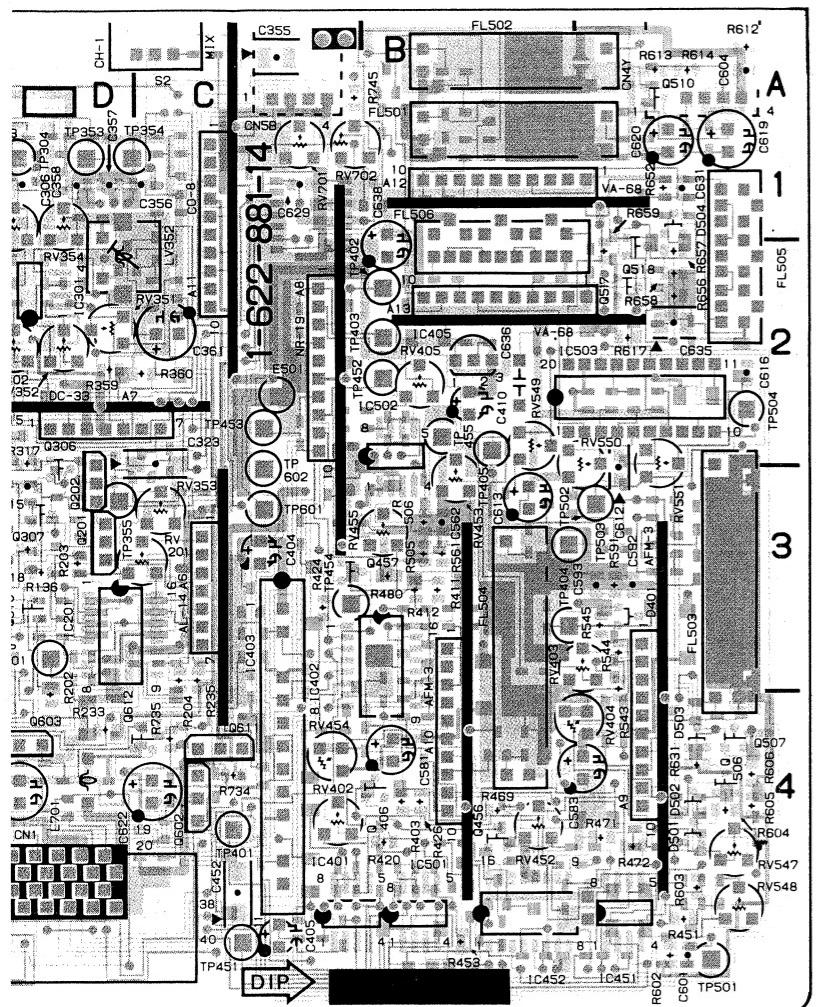
I-622-889-14(1)
BVW-35
BVW-35P

AU-93P; AUDIO REC/PB AMPLIFIER

AU-93P(1-622-881-14)

CN1	D-4	C	IC302	G-4	C	Q331	D-2	S	Q857	H-2	C	RV455	B-3	C
CN2	G-1	C	IC401	C-4	C	Q332	E-2	C	Q858	H-1	S	RV547	A-4	C
CN3	E-1	C	IC402	B-3	C	Q333	E-2	S	Q859	H-4	S	RV548	A-4	C
CN4	A-1	C	IC403	C-3	C	Q334	E-2	C	Q860	H-4	S	RV549	B-2	C
CN5	C-1	C	IC405	B-2	C	Q335	F-3	S	Q861	H-4	S	RV550	A-2	C
CN6	H-1	C	IC451	A-4	C	Q351	E-1	S	Q901	G-4	C	RV551	A-3	C
			IC452	B-4	C	Q354	C-1	S	Q902	F-4	S	RV701	C-1	C
CP851	H-1	C	IC501	B-4	C	Q355	D-3	S	Q903	G-4	C	RV702	C-1	C
CP901	G-3	C	IC502	B-2	C	Q356	D-3	S	Q904	G-4	C	RV801	H-4	C
CP902	G-2	C	IC503	A-2	C	Q357	D-3	S	Q905	G-3	S	RV851	H-2	C
CP951	G-3	C	IC701	C-1	S	Q358	E-1	S	Q906	G-3	S	RV901	G-3	C
CP952	G-2	C	IC901	G-4	C	Q359	E-1	S	Q907	G-2	C	RV902	G-3	C
						Q360	D-3	S	Q908	G-4	S	RV903	F-2	C
D3	E-3	S	LV101	E-3	C	Q381	D-2	S	Q909	G-2	S	RV951	G-3	C
D4	F-4	S	LV102	E-3	C	Q382	C-2	S	Q910	G-3	C	RV952	H-3	C
D5	F-4	S	LV201	F-3	C	Q383	C-2	S	Q911	F-2	S	RV953	G-2	C
D6	E-2	C	LV202	F-3	C	Q401	B-4	S	Q912	G-2	S			
D302	E-2	S	LV301	E-2	C	Q402	B-4	S	Q913	G-1	S	S1	E-3	C
D303	D-2	S	LV302	D-2	C	Q403	B-4	S	Q914	G-1	S	S2	C-1	C
D352	E-1	S	LV351	E-1	C	Q406	B-4	C	Q915	G-3	S			
D401	A-3	C	LV352	C-2	C	Q451	B-4	S	Q916	G-4	S	TP101	E-3	C
D402	C-3	S	LV901	G-1	C	Q456	B-4	C	Q951	H-4	C	TP102	F-4	C
D451	C-3	S	LV951	G-1	C	Q457	C-3	C	Q952	H-3	S	TP201	D-3	C
D501	A-4	C		Q501		A-3	S	Q953	H-3	S	TP202	F-4	C	
D502	A-4	C	Q1	E-3	S	Q502	B-3	S	Q954	H-3	C	TP301	E-2	C
D503	A-4	C	Q2	F-3	C	Q503	A-4	S	Q955	H-4	S	TP302	E-2	C
D504	A-1	C	Q3	F-3	C	Q505	A-4	S	Q956	G-4	S	TP303	D-1	C
D505	A-2	S	Q4	F-2	S	Q506	A-4	C	Q957	H-2	C	TP304	D-1	C
D601	C-3	S	Q5	E-3	C	Q507	A-4	C	Q958	H-4	S	TP305	D-3	C
D602	C-4	S	Q6	E-3	C	Q508	A-1	S	Q959	G-2	S	TP351	F-1	C
D851	H-1	S	Q7	F-4	S	Q509	B-1	S	Q960	H-2	C	TP352	F-1	C
D852	H-4	S	Q8	F-4	S	Q510	A-1	C	Q961	G-3	S	TP353	D-1	C
D901	G-3	S	Q9	F-2	C	Q511	B-1	S	Q962	H-1	S	TP354	C-1	C
D902	H-4	S	Q10	F-2	C	Q512	A-3	S	Q963	G-1	S	TP355	D-3	C
D903	G-4	S	Q11	F-4	S	Q513	A-4	S	Q964	H-1	S	TP401	C-4	C
D905	G-3	S	Q12	F-4	S	Q514	B-3	S	Q965	G-3	S	TP402	B-2	C
D951	G-4	S	Q13	F-4	S	Q515	B-4	S	Q966	G-4	S	TP403	B-2	C
D953	G-4	S	Q14	E-4	S	Q516	A-1	S				TP404	B-3	C
D955	G-3	S	Q101	E-3	C	Q517	A-2	C	RV101	D-3	C	TP405	B-2	C
			Q102	E-3	C	Q518	A-2	C	RV102	F-2	C	TP451	C-4	C
E301	E-2	C	Q103	F-2	S	Q601	D-4	C	RV103	F-2	C	TP452	B-2	C
E501	C-2	C	Q104	F-2	S	Q602	C-4	C	RV201	C-3	C	TP453	C-2	C
E851	F-3	C	Q105	F-1	S	Q603	D-4	C	RV202	F-1	C	TP454	C-3	C
			Q106	E-3	S	Q604	C-4	S	RV203	F-1	C	TP455	B-2	C
FL501	B-1	C	Q201	D-3	C	Q605	D-4	S	RV301	D-2	C	TP501	A-4	C
FL502	B-1	C	Q202	D-3	C	Q606	C-4	S	RV302	D-2	C	TP502	A-3	C
FL503	A-3	C	Q203	F-2	S	Q607	E-4	S	RV303	D-3	C	TP503	B-3	C
FL504	B-3	C	Q204	F-2	S	Q608	E-4	S	RV304	D-1	C	TP504	A-2	C
FL505	A-2	C	Q205	F-1	S	Q609	B-1	S	RV351	C-2	C	TP601	C-3	C
FL506	B-1	C	Q206	D-3	S	Q610	D-4	S	RV352	D-2	C	TP602	C-3	C
			Q301	E-2	S	Q611	C-4	C	RV353	C-3	C	TP851	G-1	C
IC101	E-3	C	Q304	D-1	S	Q612	C-4	C	RV354	D-1	C	TP852	H-4	C
IC102	E-3	S	Q305	D-2	C	Q808	G-4	S	RV402	C-4	C	TP901	F-4	C
IC103	E-4	C	Q306	D-2	C	Q809	G-4	S	RV403	A-3	C	TP902	F-1	C
IC104	F-4	C	Q307	D-3	C	Q810	F-4	S	RV404	A-4	C	TP951	H-3	C
IC108	F-1	S	Q308	E-2	S	Q851	G-4	S	RV405	B-2	C	TP952	G-1	C
IC201	D-3	C	Q309	E-2	S	Q852	G-4	S	RV452	B-4	C			
IC202	D-3	S	Q310	D-3	C	Q853	H-1	C	RV453	B-3	C	** C; COMPONENT SIDE		
IC301	D-2	C	Q311	D-2	S	Q854	H-1	C	RV454	C-4	C	** S; SOLDERING SIDE		

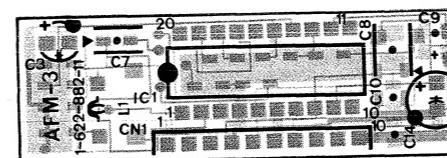




AFM-3, AL-14, AR-12P, CO-8

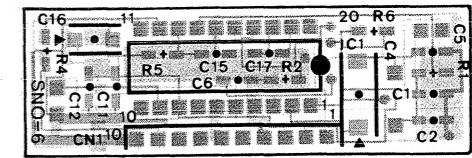
AFM-3, AL-14, AR-12P, CO-8

AFM-3 ; FM AUDIO
AL-14 ; AGC/LIMITER
AR-12P ; REC AMPLIFIER
CO-8 ; CONFI PB



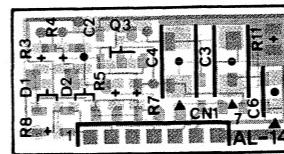
AFM-3 —COMPONENT SIDE—

I-622-882-11(1)
BVW-35
BVW-35P



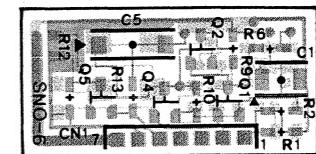
AFM-3 —SOLDERING SIDE—

I-622-882-11(1)
BVW-35
BVW-35P



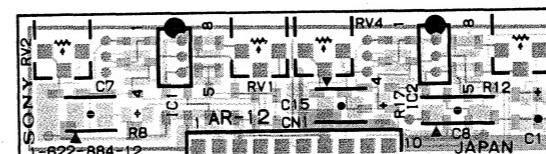
AL-14 —COMPONENT SIDE—

I-622-883-11(1)
BVW-35
BVW-35P



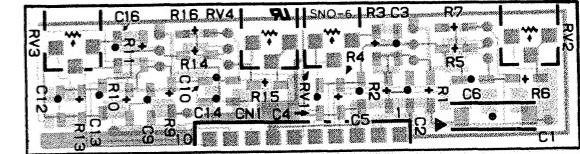
AL-14 —SOLDERING SIDE—

I-622-883-11(1)
BVW-35
BVW-35P



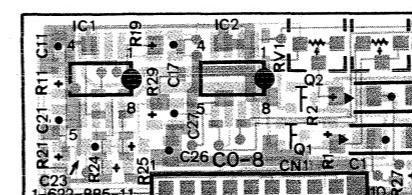
AR-12/P —COMPONENT SIDE—

I-622-884-12(1)
BVW-35
BVW-35P



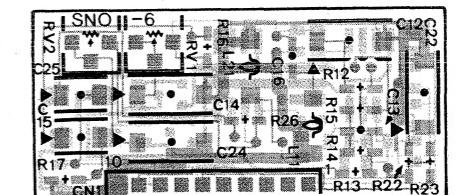
AR-12/P —SOLDERING SIDE—

I-622-884-12(1)
BVW-35
BVW-35P



CO-8 —COMPONENT SIDE—

I-622-885-11(1)
BVW-35
BVW-35P



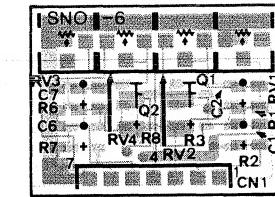
CO-8 —SOLDERING SIDE—

I-622-885-11(1)
BVW-35
BVW-35P

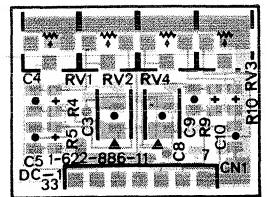
DC-33, NR-19, SG-137, VA-68

DC-33, NR-19, SG-137, VA-68

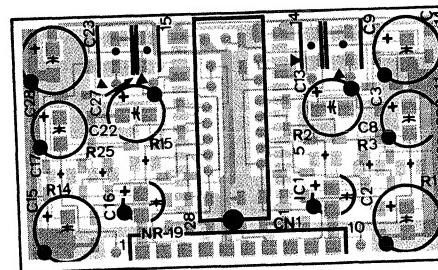
DC-33 ; DUB CROSSTALK CANCELLER
NR-19 ; NOISE REDUCTION
SG-137 ; REF CLOCK GENERATOR
VA-68 ; AGC



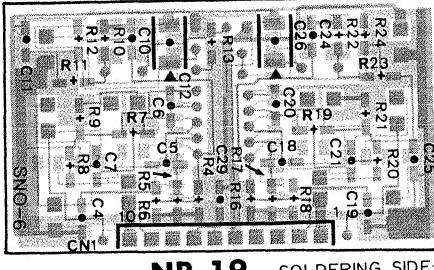
DC-33 —COMPONENT SIDE—
I-622-886-11(I)
BVW-35
BVW-35P



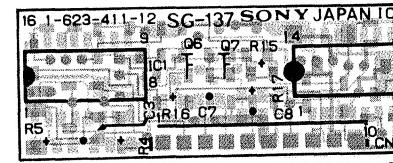
DC-33 —SOLDERING SIDE—
I-622-886-11(I)
BVW-35
BVW-35P



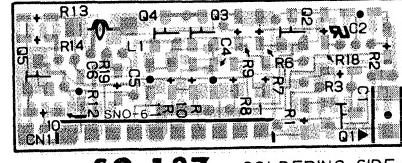
NR-19 —COMPONENT SIDE—
I-622-888-11(I)
BVW-35
BVW-35P



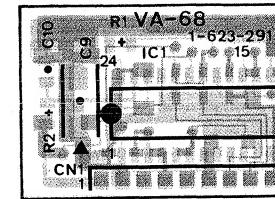
NR-19 —SOLDERING SIDE—
I-622-888-11(I)
BVW-35
BVW-35P



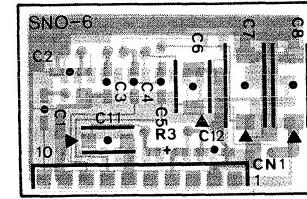
SG-137 —COMPONENT SIDE—
I-623-411-12(I)
BVW-35
BVW-35P



SG-137 —SOLDERING SIDE—
I-623-411-12(I)
BVW-35
BVW-35P



VA-68 —COMPONENT SIDE—
I-623-291-11(I)
BVW-35
BVW-35P

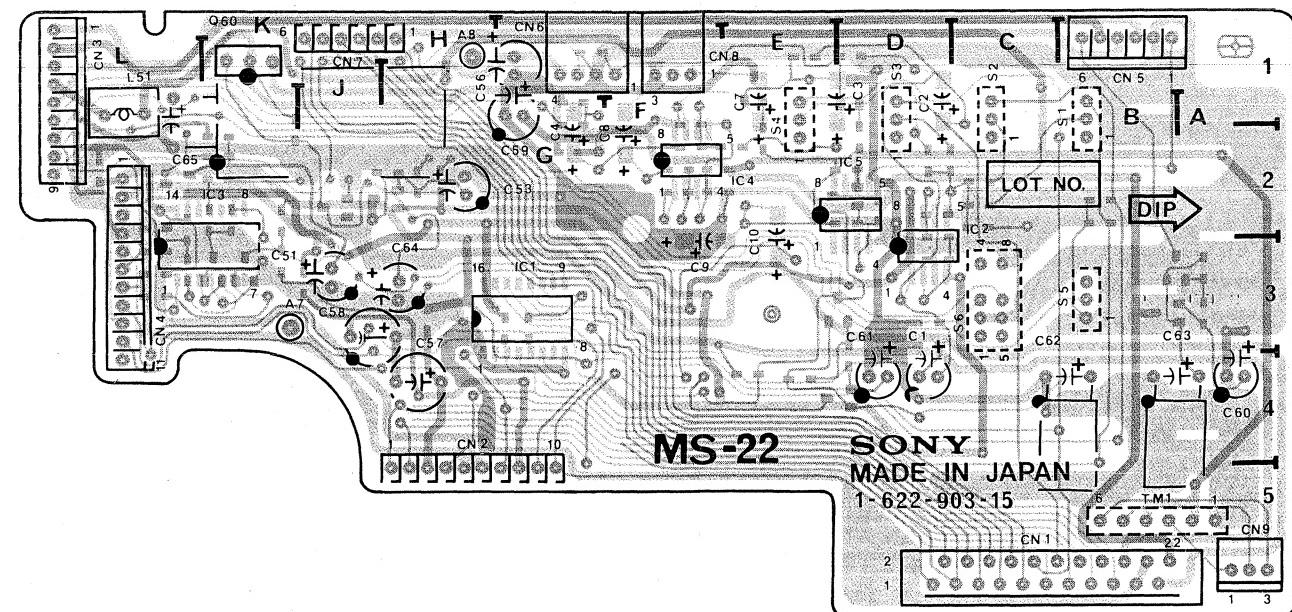


VA-68 —SOLDERING SIDE—
I-623-291-11(I)
BVW-35
BVW-35P

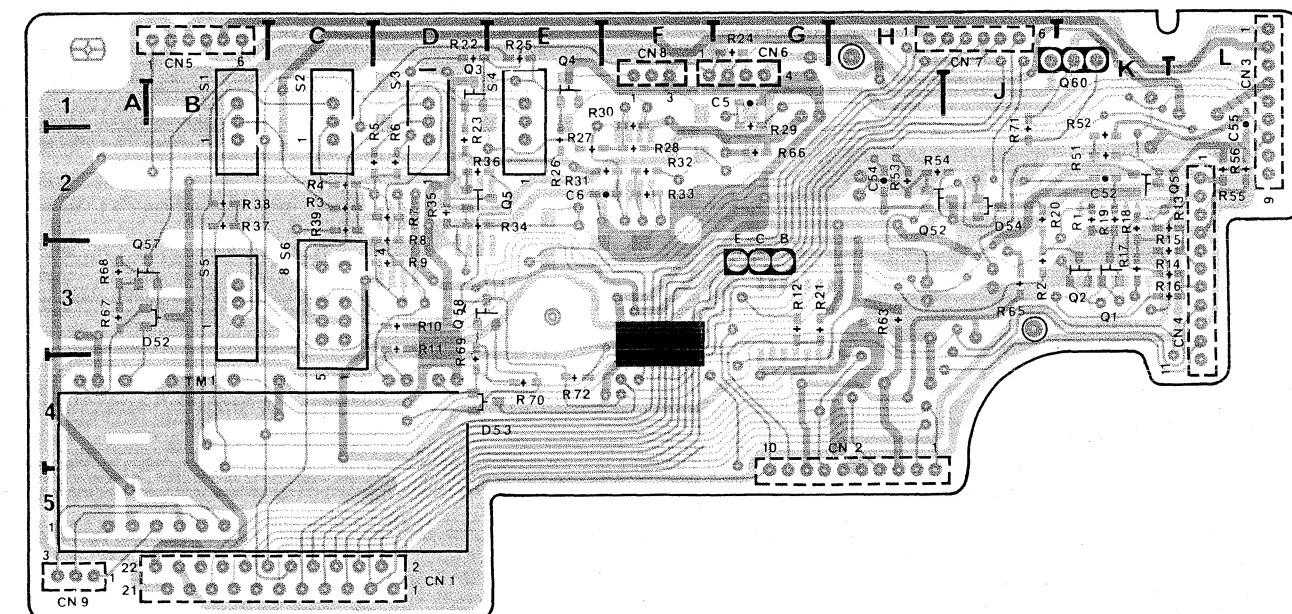
MS-22; MONITOR AMPLIFIER/MONITOR SELECTOR

MS-22 (1-622-903-15)

CN1	C-5	C
CN2	H-4	C
CN3	L-1	C
CN4	L-3	C
CN5	B-1	C
CN6	G-1	C
CN7	J-1	C
CN8	F-1	C
CN9	A-5	C
D52	B-3	S
D53	D-4	S
D54	J-2	S
IC1	G-3	C
IC2	D-3	C
IC3	K-2	C
IC4	F-2	C
IC5	D-2	C
Q1	K-3	S
Q2	K-3	S
Q3	D-1	S
Q4	E-1	S
Q5	D-2	S
Q51	K-2	S
Q52	H-2	S
Q57	B-3	S
Q58	D-3	S
Q60	K-1	C
S1	B-1	C
S2	C-1	C
S3	D-1	C
S4	E-1	C
S5	B-3	C
S6	C-3	C
TM1	B-5	C



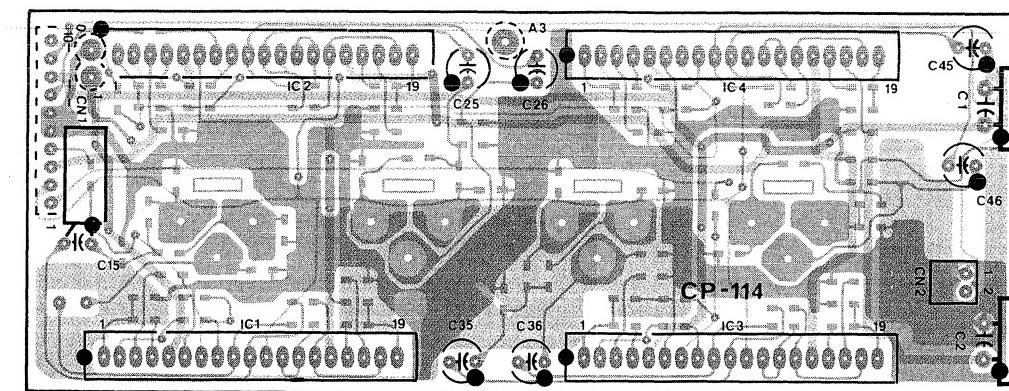
MS-22 - COMPONENT SIDE
1-622-903-15(1)
BVW-35
BVW-35P



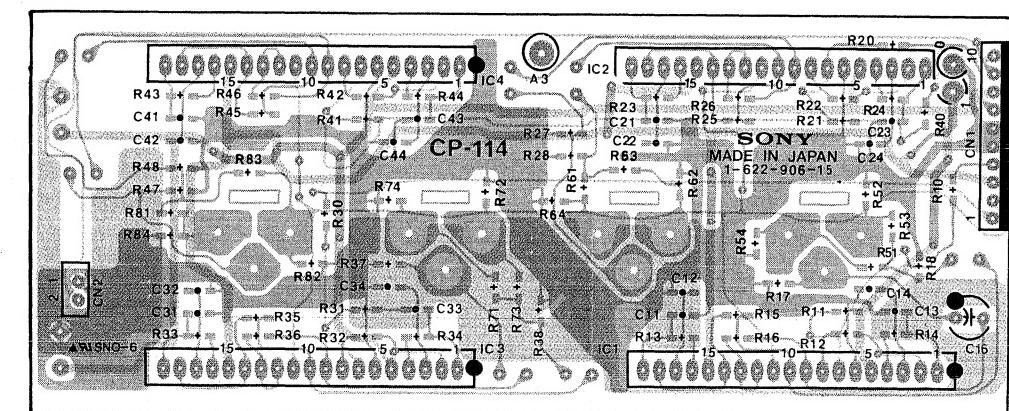
MS-22 - SOLDERING SIDE
1-622-903-15(1)
BVW-35
BVW-35P

CP-114 CP-114

CP-114; XLR OUT AMPLIFIER



CP-114/A —COMPONENT SIDE—
I-622-906-15(I)
BVW-35
BVW-35P

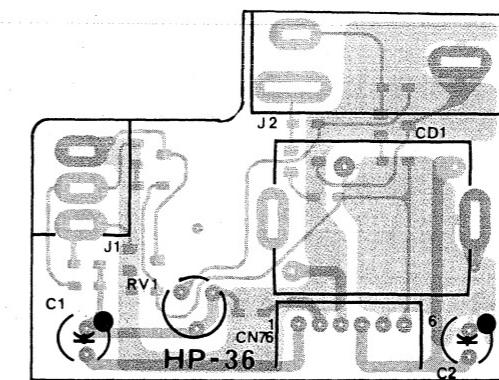


CP-114/A —SOLDERING SIDE—
I-622-906-15(I)
BVW-35
BVW-35P

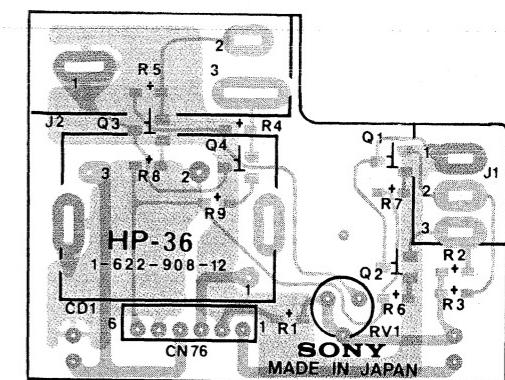
J:CP-114A
UC:CP-114
EK:CP-114

HP-36, VR-63, MTS-2 HP-36, VR-63, MTS-2

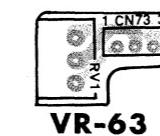
HP-36 ; HEADPHONES/EARPHONE
VR-63 ; PHONE LEVEL
MTS-2 ; CH-4/MONITOR SWITCH



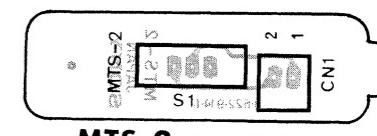
HP-36 —COMPONENT SIDE—
I-622-908-12(I)
BVW-35
BVW-35P



HP-36 —SOLDERING SIDE—
I-622-908-12(I)
BVW-35
BVW-35P



VR-63
—COMPONENT SIDE—
I-622-912-11(I)
BVW-35
BVW-35P

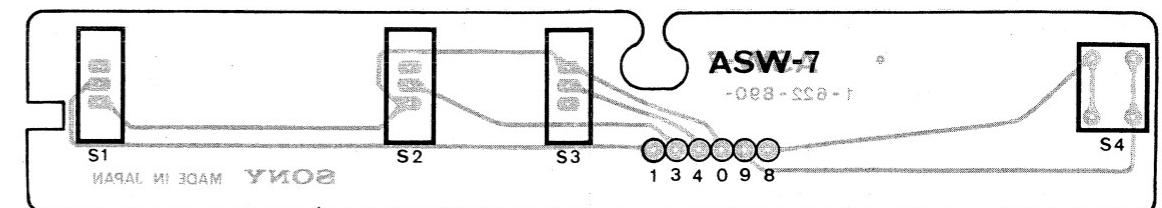


MTS-2 —COMPONENT SIDE—
I-622-914-12(I)
BVW-35
BVW-35P

ASW-7

ASW-7

ASW-7 ; AUDIO FRONT SWITCH



ASW-7 -COMPONENT SIDE-

I-622-890-13(1)
BVW-35
BVW-35P

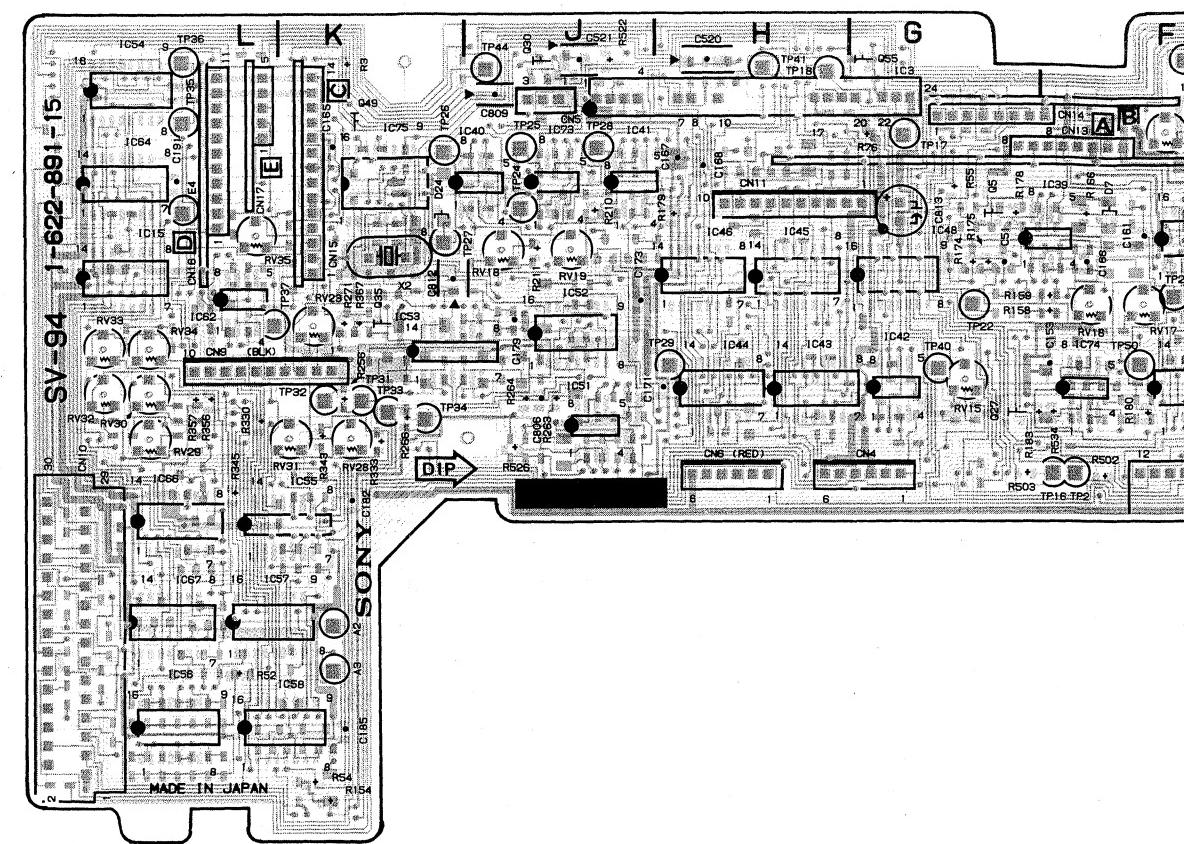
SV-94P ; SERVO SYSTEM

SV-94P(1-622-891-15)

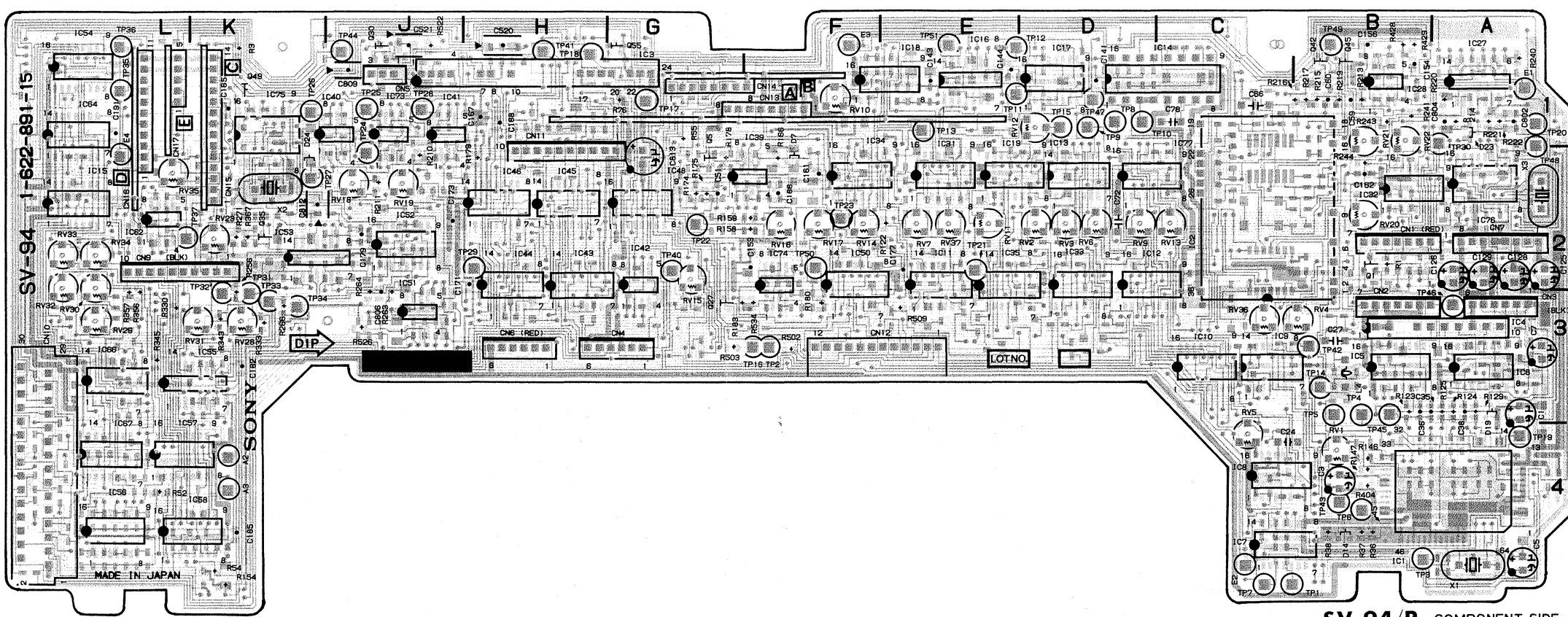
CN1	B-2	C	IC18	E-1	C	Q29	L-4	S	TP6	B-4	C	X1	A-4	C
CN2	B-3	C	IC19	E-2	C	Q30	J-1	C	TP7	C-4	C	X2	K-2	C
CN3	A-3	C	IC27	A-1	C	Q31	B-2	S	TP8	D-1	C	X3	A-2	C
CN4	G-3	C	IC28	B-1	C	Q32	A-2	S	TP9	D-1	C		*.* C; COMPONENT SIDE	
CN5	J-1	C	IC29	C-2	S	Q34	L-4	S	TP10	D-1	C		*.* S; SOLDERING SIDE	
CN6	H-3	C	IC31	E-2	C	Q35	K-2	C	TP11	E-1	C			
CN7	A-2	C	IC32	B-2	C	Q36	L-4	S	TP12	E-1	C			
CN9	L-2	C	IC33	D-2	C	Q39	C-1	S	TP13	E-1	C			
CN10	L-3	C	IC34	F-2	C	Q40	B-2	S	TP14	B-3	C			
CN11	H-1	C	IC35	E-2	C	Q41	H-1	S	TP15	D-1	C			
CN12	F-3	C	IC39	F-2	C	Q42	B-1	C	TP16	F-3	C			
CN13	F-1	C	IC40	J-1	C	Q43	L-2	S	TP17	G-1	C			
CN14	G-1	C	IC41	J-1	C	Q44	B-1	S	TP18	H-1	C			
CN15	K-1	C	IC42	G-2	C	Q45	B-1	C	TP19	A-4	C			
CN16	L-1	C	IC43	H-2	C	Q46	J-1	S	TP20	A-1	C			
CN17	L-1	C	IC44	H-2	C	Q47	J-1	S	TP21	E-2	C			
			IC45	H-2	C	Q48	A-4	S	TP22	G-2	C			
D3	F-2	S	IC46	H-2	C	Q49	K-1	C	TP23	F-2	C			
D4	F-2	S	IC48	G-2	C	Q50	H-3	S	TP24	J-1	C			
D5	J-1	S	IC50	F-2	C	Q55	G-1	C	TP25	J-1	C			
D6	J-2	S	IC51	J-3	C				TP26	K-1	C			
D7	F-2	C	IC52	J-2	C	RV1	B-4	C	TP27	K-2	C			
D8	G-2	S	IC53	K-2	C	RV2	D-2	C	TP28	J-1	C			
D9	D-3	S	IC54	L-1	C	RV3	D-2	C	TP29	H-2	C			
D10	C-2	S	IC55	K-3	C	RV4	B-3	C	TP30	A-1	C			
D11	E-1	S	IC56	L-4	C	RV5	C-4	C	TP31	K-3	C			
D12	D-1	S	IC57	L-4	C	RV6	D-2	C	TP32	K-3	C			
D13	E-1	S	IC58	L-4	C	RV7	E-2	C	TP33	K-3	C			
D14	B-4	C	IC62	L-2	C	RV9	D-2	C	TP34	K-3	C			
D19	A-3	C	IC64	L-1	C	RV10	F-1	C	TP35	L-1	C			
D20	F-2	S	IC66	L-3	C	RV11	E-2	C	TP36	L-1	C			
D21	H-1	S	IC67	L-4	C	RV12	D-1	C	TP37	L-2	C			
D22	E-3	S	IC73	J-1	C	RV13	C-2	C	TP40	G-2	C			
D23	A-1	C	IC74	F-2	C	RV14	F-2	C	TP41	H-1	C			
D24	K-2	C	IC75	K-1	C	RV15	G-2	C	TP42	B-3	C			
D25	H-2	S	IC76	A-2	C	RV16	F-2	C	TP43	B-4	C			
			IC77	D-2	C	RV17	F-2	C	TP44	J-1	C			
E1	A-1	C	IC78	C-2	S	RV18	J-2	C	TP45	B-3	C			
E2	C-4	C				RV19	J-2	C	TP46	A-3	C			
E3	F-1	C	Q1	B-2	C	RV20	B-2	C	TP47	D-1	C			
E4	L-2	C	Q2	A-3	S	RV21	B-1	C	TP48	A-1	C			
			Q3	G-2	S	RV22	B-1	C	TP49	B-1	C			
IC1	B-4	C	Q4	G-2	S	RV23	K-2	C	TP50	F-2	C			
IC2	C-2	C	Q5	G-2	C	RV28	K-3	C						
IC3	H-1	C	Q7	J-2	S	RV29	L-3	C						
IC4	A-3	C	Q8	J-1	S	RV30	L-3	C						
IC5	B-3	C	Q9	H-1	S	RV31	L-3	C						
IC6	A-3	C	Q11	C-3	S	RV32	L-3	C						
IC7	C-4	C	Q13	K-4	S	RV33	L-2	C						
IC8	C-4	C	Q14	L-3	S	RV34	L-2	C						
IC9	C-3	C	Q15	K-2	S	RV35	L-2	C						
IC10	C-3	C	Q16	K-2	S	RV36	C-3	C						
IC11	E-2	C	Q20	L-3	S	RV37	E-2	C						
IC12	D-2	C	Q21	K-4	S									
IC13	D-2	C	Q22	L-3	S	TP1	C-4	C						
IC14	C-1	C	Q23	L-4	S	TP2	F-3	C						
IC15	L-2	C	Q24	L-4	S	TP3	B-4	C						
IC16	E-1	C	Q27	G-3	C	TP4	B-3	C						
IC17	D-1	C	Q28	C-2	S	TP5	B-3	C						

SV-94P SV-94P

SV-94P ; SERVO SYSTEM



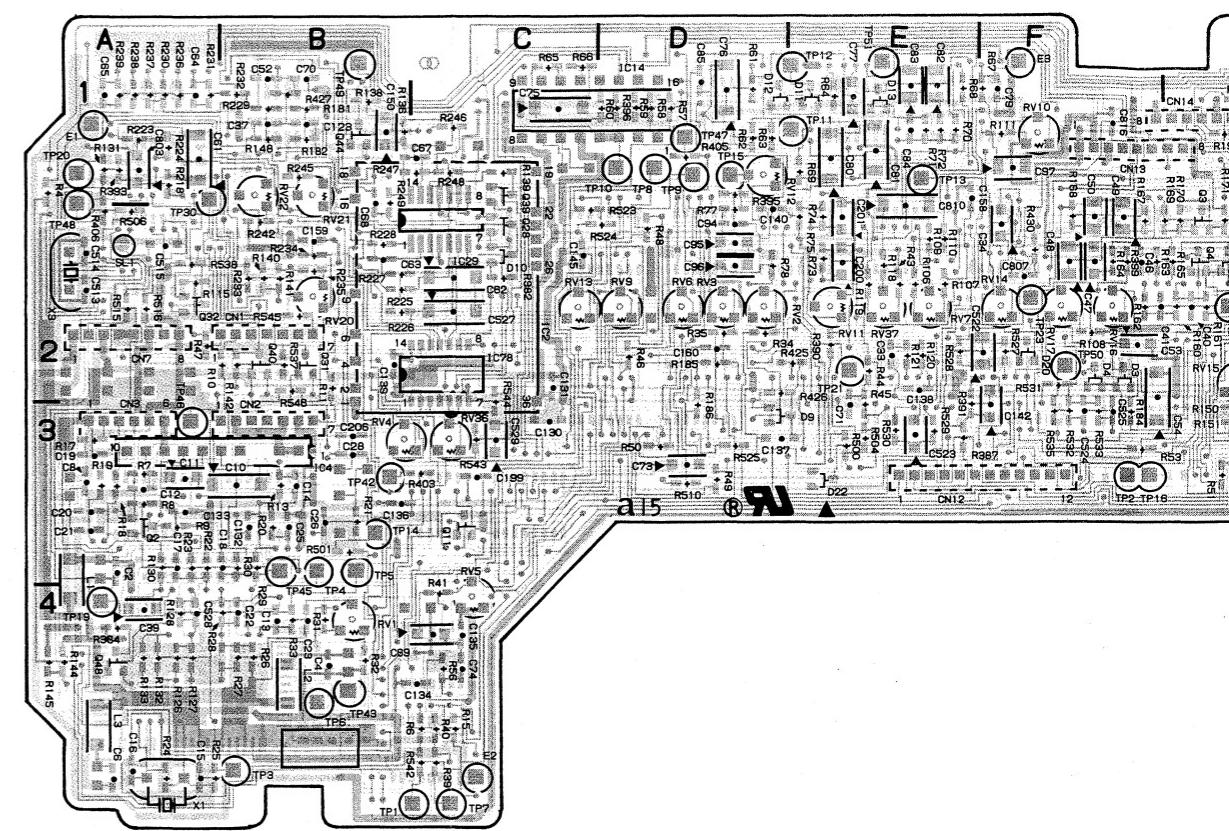
SV-94P ; SERVO SYSTEM

C
C
CCOMPONENT SIDE
SERVING SIDE

SV-94/P - COMPONENT SIDE
I-622-891-15(1)
BVW-35
BVW-35P

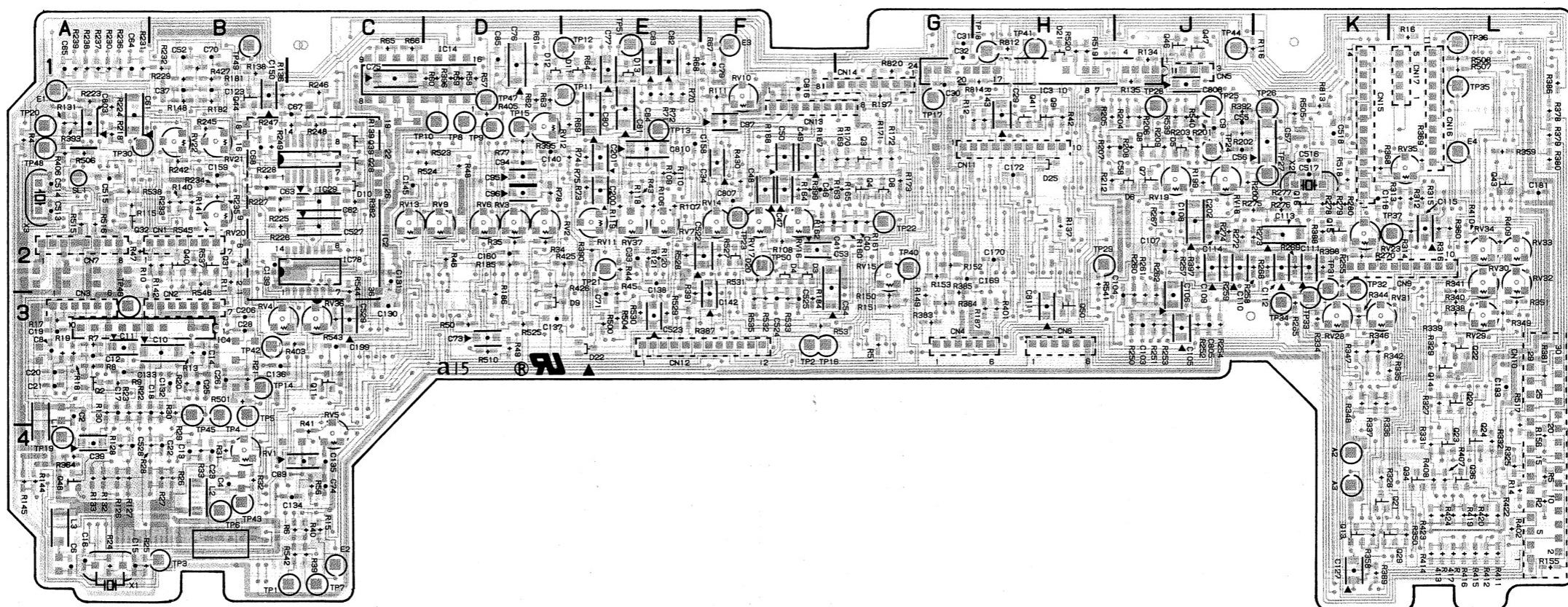
SV-94P(1-622-891-15)

CN1	B-2	C	IC18	E-1	C	Q29	L-4	S	TP6	B-4	C	X1	A-4	C
CN2	B-3	C	IC19	E-2	C	Q30	J-1	C	TP7	C-4	C	X2	K-2	C
CN3	A-3	C	IC27	A-1	C	Q31	B-2	S	TP8	D-1	C	X3	A-2	C
CN4	G-3	C	IC28	B-1	C	Q32	A-2	S	TP9	D-1	C			
CN5	J-1	C	IC29	C-2	S	Q34	L-4	S	TP10	D-1	C		*	*
CN6	H-3	C	IC31	E-2	C	Q35	K-2	C	TP11	E-1	C		C; COMPONENT SIDE	
CN7	A-2	C	IC32	B-2	C	Q36	L-4	S	TP12	E-1	C		*	*
CN9	L-2	C	IC33	D-2	C	Q39	C-1	S	TP13	E-1	C			
CN10	L-3	C	IC34	F-2	C	Q40	B-2	S	TP14	B-3	C			
CN11	H-1	C	IC35	E-2	C	Q41	H-1	S	TP15	D-1	C			
CN12	F-3	C	IC39	F-2	C	Q42	B-1	C	TP16	F-3	C			
CN13	F-1	C	IC40	J-1	C	Q43	L-2	S	TP17	G-1	C			
CN14	G-1	C	IC41	J-1	C	Q44	B-1	S	TP18	H-1	C			
CN15	K-1	C	IC42	G-2	C	Q45	B-1	C	TP19	A-4	C			
CN16	L-1	C	IC43	H-2	C	Q46	J-1	S	TP20	A-1	C			
CN17	L-1	C	IC44	H-2	C	Q47	J-1	S	TP21	E-2	C			
			IC45	H-2	C	Q48	A-4	S	TP22	G-2	C			
D3	F-2	S	IC46	H-2	C	Q49	K-1	C	TP23	F-2	C			
D4	F-2	S	IC48	G-2	C	Q50	H-3	S	TP24	J-1	C			
D5	J-1	S	IC50	F-2	C	Q55	G-1	C	TP25	J-1	C			
D6	J-2	S	IC51	J-3	C				TP26	K-1	C			
D7	F-2	C	IC52	J-2	C	RV1	B-4	C	TP27	K-2	C			
D8	G-2	S	IC53	K-2	C	RV2	D-2	C	TP28	J-1	C			
D9	D-3	S	IC54	L-1	C	RV3	D-2	C	TP29	H-2	C			
D10	C-2	S	IC55	K-3	C	RV4	B-3	C	TP30	A-1	C			
D11	E-1	S	IC56	L-4	C	RV5	C-4	C	TP31	K-3	C			
D12	D-1	S	IC57	L-4	C	RV6	D-2	C	TP32	K-3	C			
D13	E-1	S	IC58	L-4	C	RV7	E-2	C	TP33	K-3	C			
D14	B-4	C	IC62	L-2	C	RV9	D-2	C	TP34	K-3	C			
D19	A-3	C	IC64	L-1	C	RV10	F-1	C	TP35	L-1	C			
D20	F-2	S	IC66	L-3	C	RV11	E-2	C	TP36	L-1	C			
D21	H-1	S	IC67	L-4	C	RV12	D-1	C	TP37	L-2	C			
D22	E-3	S	IC73	J-1	C	RV13	C-2	C	TP40	G-2	C			
D23	A-1	C	IC74	F-2	C	RV14	F-2	C	TP41	H-1	C			
D24	K-2	C	IC75	K-1	C	RV15	G-2	C	TP42	B-3	C			
D25	H-2	S	IC76	A-2	C	RV16	F-2	C	TP43	B-4	C			
			IC77	D-2	C	RV17	F-2	C	TP44	J-1	C			
E1	A-1	C	IC78	C-2	S	RV18	J-2	C	TP45	B-3	C			
E2	C-4	C				RV19	J-2	C	TP46	A-3	C			
E3	F-1	C	Q1	B-2	C	RV20	B-2	C	TP47	D-1	C			
E4	L-2	C	Q2	A-3	S	RV21	B-1	C	TP48	A-1	C			
			Q3	G-2	S	RV22	B-1	C	TP49	B-1	C			
IC1	B-4	C	Q4	G-2	S	RV23	K-2	C	TP50	F-2	C			
IC2	C-2	C	Q5	G-2	C	RV28	K-3	C						
IC3	H-1	C	Q7	J-2	S	RV29	L-3	C						
IC4	A-3	C	Q8	J-1	S	RV30	L-3	C						
IC5	B-3	C	Q9	H-1	S	RV31	L-3	C						
IC6	A-3	C	Q11	C-3	S	RV32	L-3	C						
IC7	C-4	C	Q13	K-4	S	RV33	L-2	C						
IC8	C-4	C	Q14	L-3	S	RV34	L-2	C						
IC9	C-3	C	Q15	K-2	S	RV35	L-2	C						
IC10	C-3	C	Q16	K-2	S	RV36	C-3	C						
IC11	E-2	C	Q20	L-3	S	RV37	E-2	C						
IC12	D-2	C	Q21	K-4	S									
IC13	D-2	C	Q22	L-3	S	TP1	C-4	C						
IC14	C-1	C	Q23	L-4	S	TP2	F-3	C						
IC15	L-2	C	Q24	L-4	S	TP3	B-4	C						
IC16	E-1	C	Q27	G-3	C	TP4	B-3	C						
IC17	D-1	C	Q28	C-2	S	TP5	B-3	C						

C; COMPONENT SIDE
S; SOLDERING SIDE

SV-94P ; SERVO SYSTEM

C
C
C

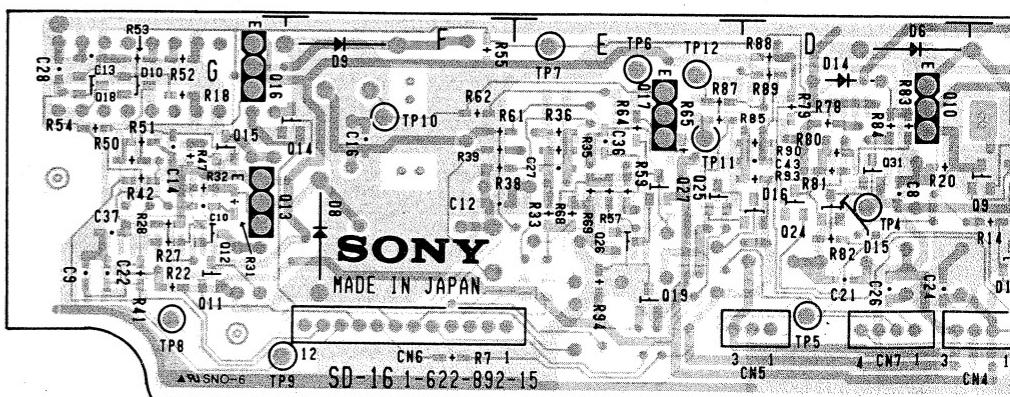
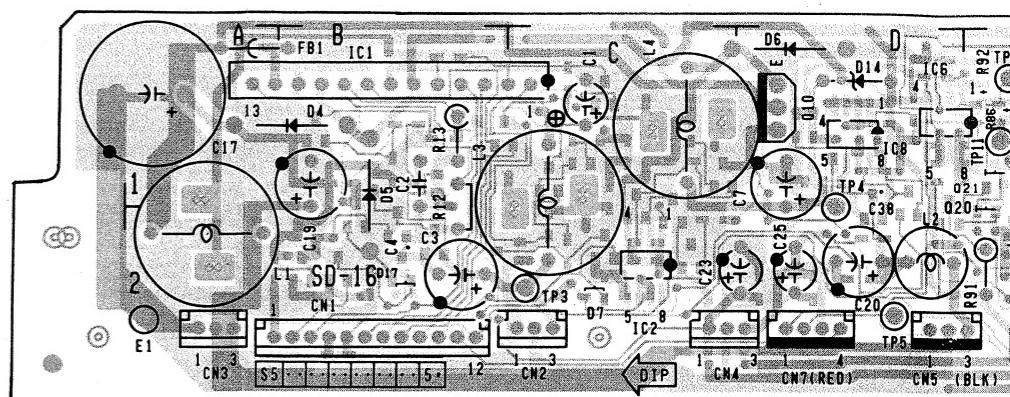


SV-94/P —SOLDERING SIDE—

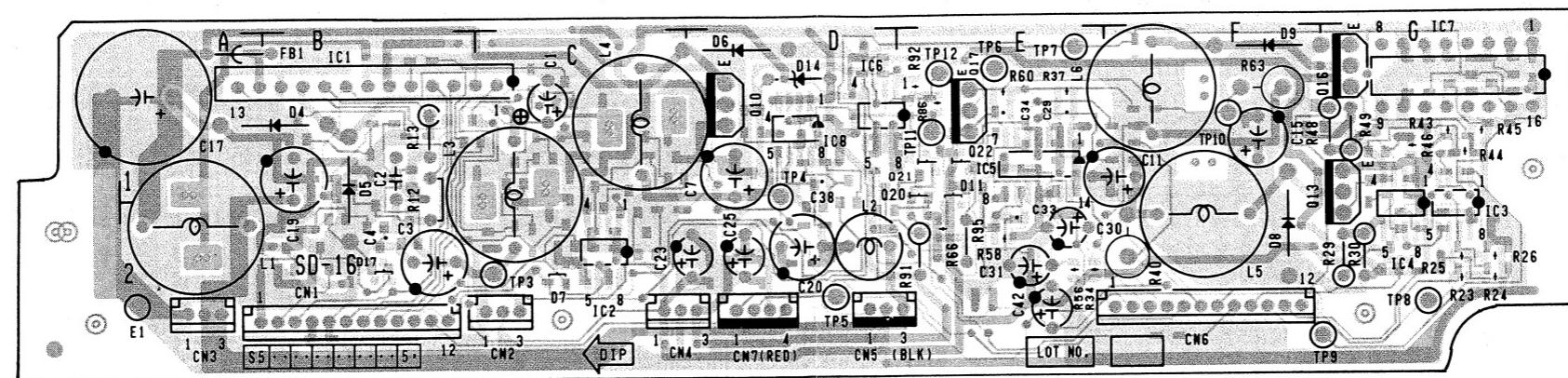
I-622-891-15(1)
BVW-35
BVW-35P

SD-16P(1-622-892-15)

CN1	B-2	C	Q24	D-1	S
CN2	C-2	C	Q25	E-1	S
CN3	A-2	C	Q26	E-2	S
CN4	C-2	C	Q27	E-1	S
CN5	D-2	C	Q28	C-1	S
CN6	F-2	C	Q29	C-1	S
CN7	D-2	C	Q30	C-2	S
			Q31	D-1	S
D2	B-2	S			
D3	B-2	S	TP3	C-2	C
D4	B-1	C	TP4	D-1	C
D5	B-1	C	TP5	D-2	C
D6	D-1	C	TP6	E-1	C
D7	C-2	C	TP7	E-1	C
D8	F-2	C	TP8	G-2	C
D9	F-1	C	TP9	G-2	C
D10	G-1	S	TP10	F-1	C
D11	E-1	C	TP11	E-1	C
D12	B-1	S	TP12	E-1	C
D13	C-2	S			
D14	D-1	C	** C; COMPONENT SIDE		
D15	D-1	S	** S; SOLDERING SIDE		
D16	D-2	S			
D17	B-2	C			
E1	A-2	C			
IC1	B-1	C			
IC2	C-2	C			
IC3	G-2	C			
IC4	G-2	C			
IC5	E-1	C			
IC6	D-1	C			
IC7	G-1	C			
IC8	D-1	C			
Q1	B-2	S			
Q2	B-2	S			
Q3	B-2	S			
Q4	B-2	S			
Q5	B-1	S			
Q6	B-1	S			
Q7	C-2	S			
Q8	C-2	S			
Q9	C-1	S			
Q10	D-1	C			
Q11	G-2	S			
Q12	G-2	S			
Q13	G-1	C			
Q14	F-1	S			
Q15	G-1	S			
Q16	G-1	C			
Q17	E-1	C			
Q18	G-1	S			
Q19	E-2	S			
Q20	E-1	C			
Q21	E-1	C			
Q22	E-1	C			
Q23	C-1	S			



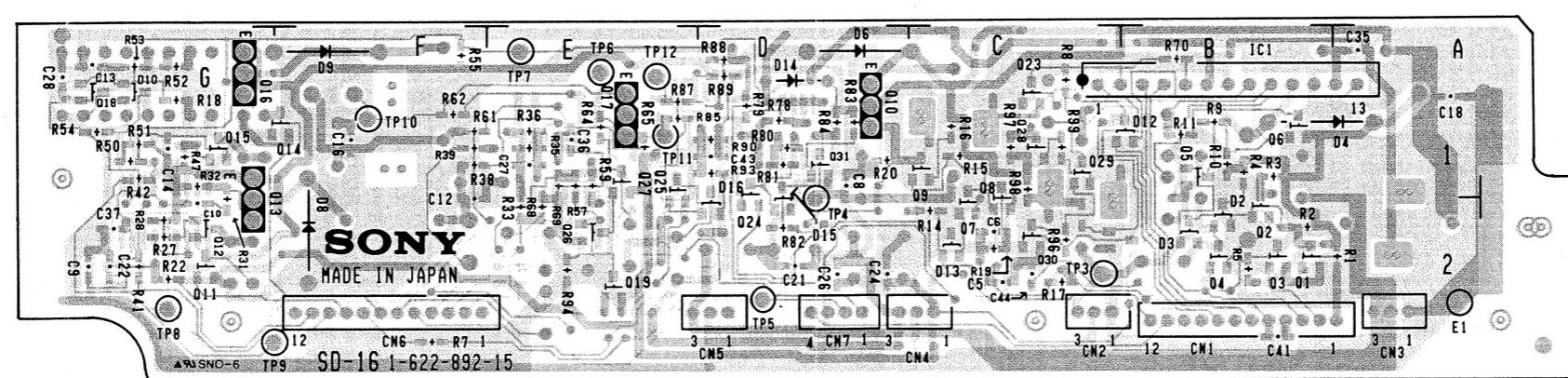
SD-16P ; SERVO DRIVER



SD-16/P —COMPONENT SIDE—

I-622-892-15(1)
BVW-35
BVW-35P

COMPONENT SIDE
RING SIDE

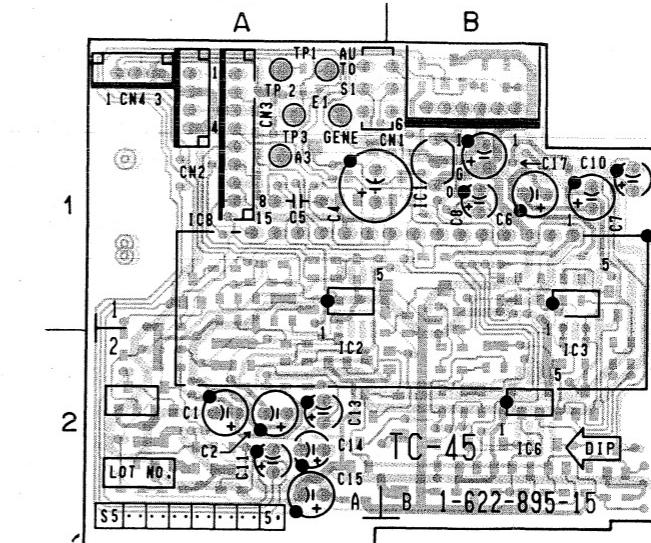


SD-16/P SOLDERING SIDE

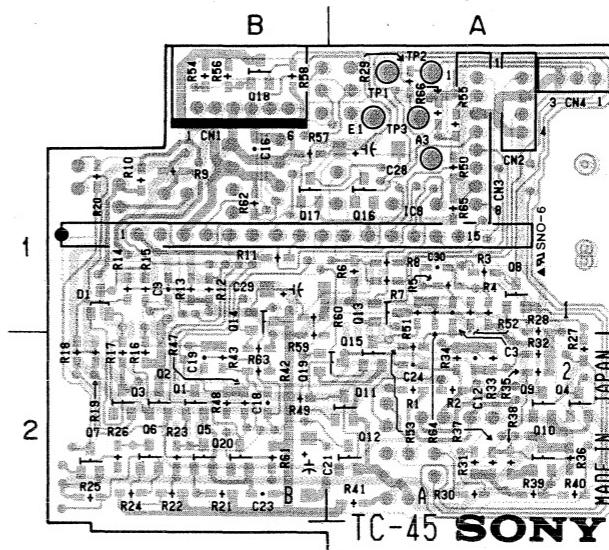
I-622-892-15(1)
BVW-35
BVW-35B

TC-45P TC-45P

TC-45P ; TIME CODE REC/PB AMPLIFIER



TC-45 / P - COMPONENT SIDE -
I-622-895-15(1)
BVW-35
BVW-35P



TC-45 / P - SOLDERING SIDE -
I-622-895-15(1)
BVW-35
BVW-35P

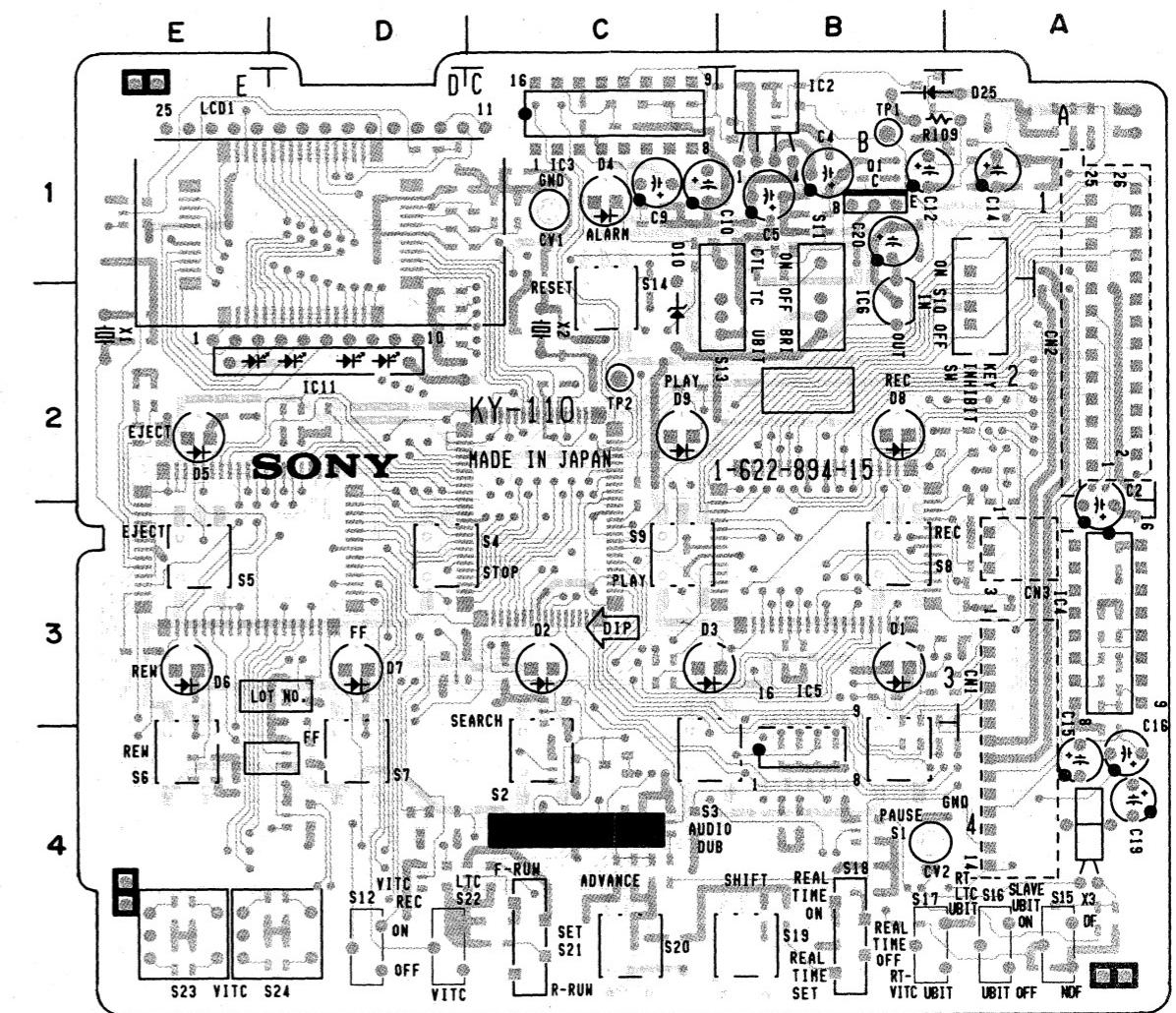
KY-110P(1-622-894-15)

CN1	A-3	S	S5	E-3	C
CN2	A-2	S	S6	E-4	C
CN3	A-3	S	S7	D-4	C
			S8	B-3	C
CV1	C-1	C	S9	C-3	C
CV2	B-4	C	S10	A-2	C
			S11	B-1	C
D1	B-3	C	S12	D-4	C
D2	C-3	C	S13	B-2	C
D3	C-3	C	S14	C-2	C
D4	C-1	C	S15	A-4	C
D5	E-2	C	S16	A-4	C
D6	E-3	C	S17	B-4	C
D7	D-3	C	S18	B-4	C
D8	B-2	C	S19	B-4	C
D9	C-2	C	S20	C-4	C
D10	C-1	C	S21	C-4	C
D11	B-1	S	S22	D-4	C
D19	C-4	S	S23	E-4	C
D23	D-4	S	S24	D-4	C
D25	A-1	C			
			TP1	B-1	C
IC1	B-3	S	TP2	C-2	C
IC2	B-1	C			
IC3	C-1	C	X1	E-2	C
IC4	A-3	C	X2	C-2	C
IC5	B-3	C	X3	A-4	C
IC6	B-2	C			
IC7	E-3	S		** C; COMPONENT SIDE	
IC8	D-3	S		** S; SOLDERING SIDE	
IC9	D-2	S			
IC10	B-4	S			
IC11	D-2	C			
IC12	E-1	S			
IC13	E-3	S			
IC14	D-3	S			
IC15	C-4	S			
IC16	C-4	S			
IC17	C-3	S			
IC18	C-4	S			
IC19	C-4	S			
IC20	D-4	S			
IC21	D-4	S			
IC22	D-4	S			
IC23	B-1	S			

LCD1 E-1 C

Q1	B-1	C
Q4	A-1	S
Q5	A-1	S
Q7	C-4	S
Q10	B-1	S

S1	B-4	C
S2	C-4	C
S3	C-4	C
S4	C-3	C

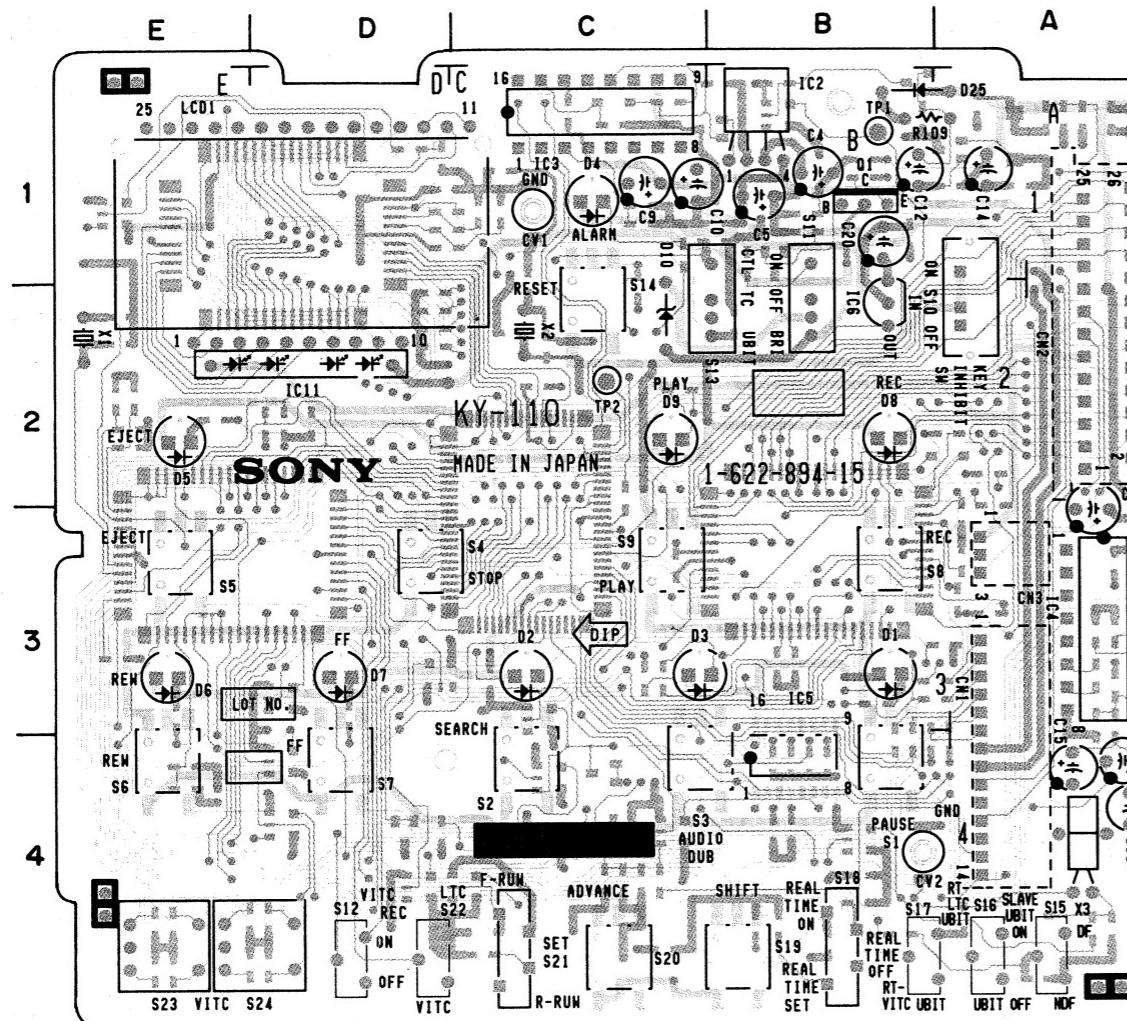


KY-110/P - COMPONENT SIDE

1-622-894-15(1)
BVW-35
BVW-35P

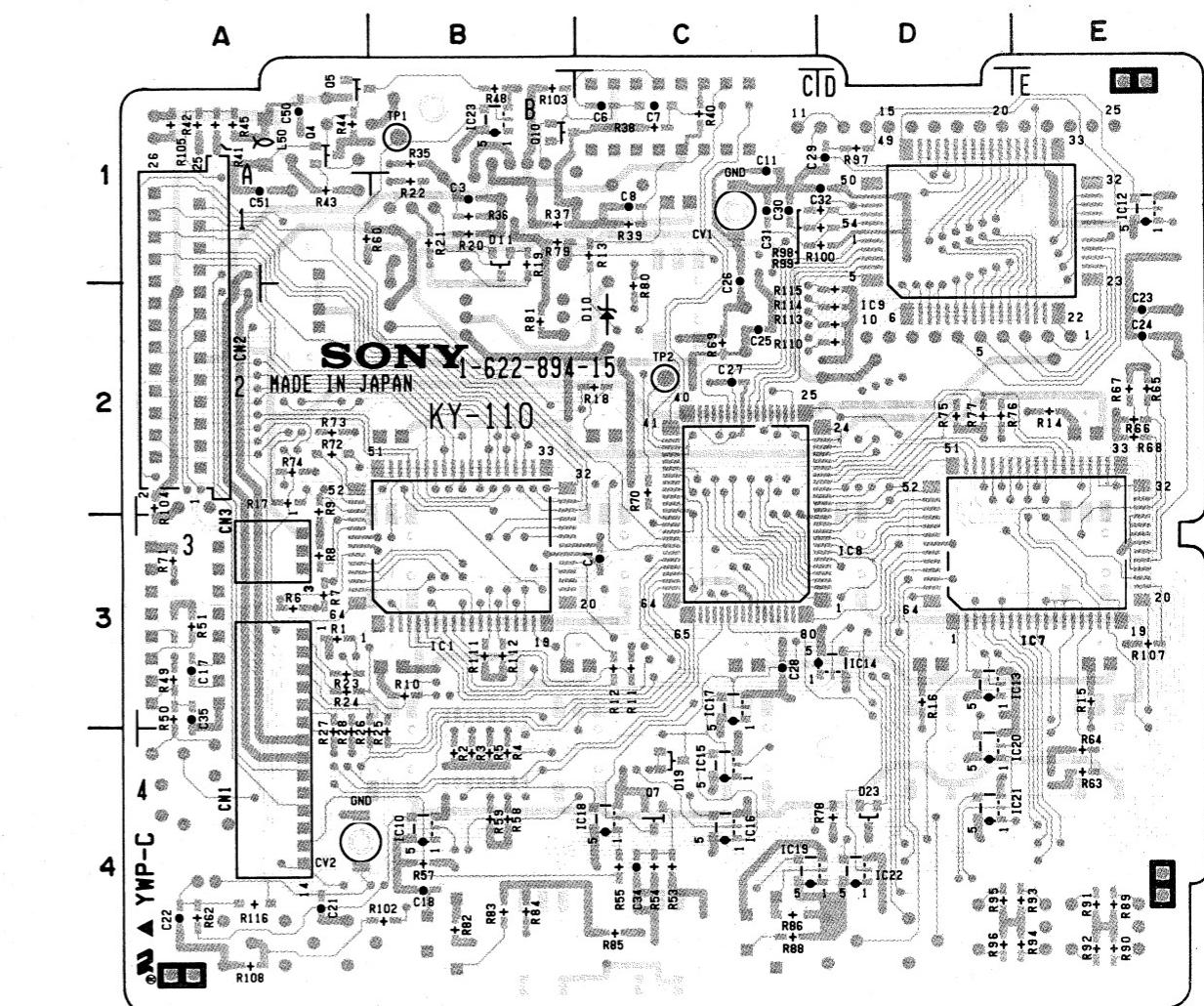
KY-110P ; FUNCTION KEY/TIME CODE

E-3 C
E-4 C
D-4 C
B-3 C
C-3 C
A-2 C
B-1 C
D-4 C
B-2 C
C-2 C
A-4 C
A-4 C
B-4 C
B-4 C
B-4 C
C-4 C
C-4 C
D-4 C
E-4 C
D-4 C
B-1 C
C-2 C
E-2 C
C-2 C
A-4 C

COMPONENT SIDE
SOLDERING SIDE

KY-110/P COMPONENT SIDE

I-622-894-15(I)
BVW-35
BVW-35P



KY-110/P SOLDERING SIDE

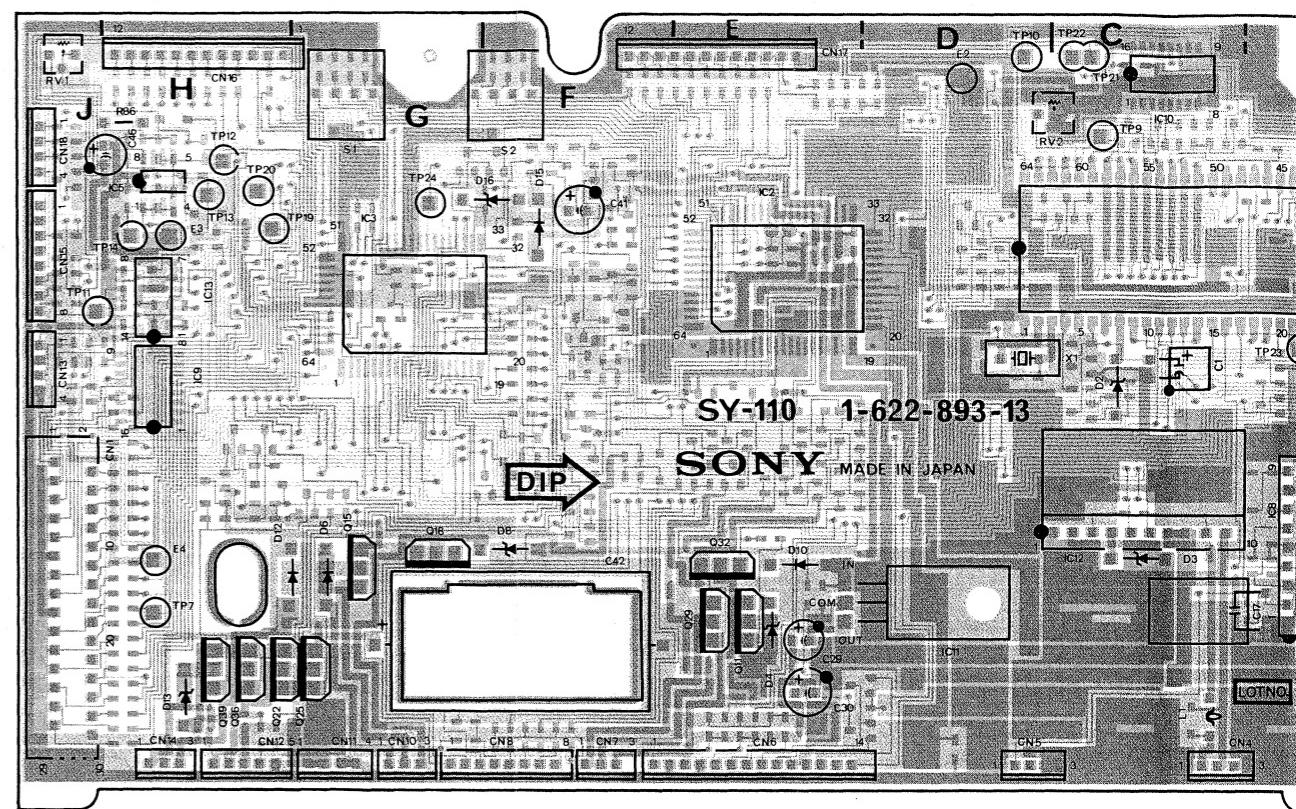
I-622-894-15(I)
BVW-35
BVW-35P

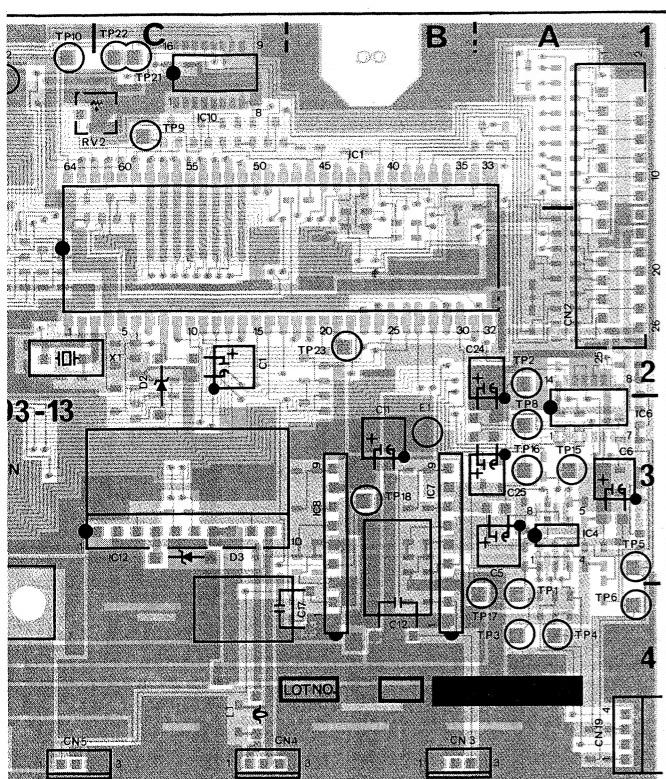
SY-110; SYSTEM CONTROL

SY-110(1-622-893-13)

CN1	J-4	C	Q3	D-2	S	TP8	A-3	C
CN2	A-1	C	Q4	D-2	S	TP9	C-1	C
CN3	B-4	C	Q5	C-3	S	TP10	D-1	C
CN4	C-4	C	Q6	C-2	S	TP11	J-2	C
CN5	D-4	C	Q7	A-3	S	TP12	H-1	C
CN6	E-4	C	Q8	A-3	S	TP13	H-1	C
CN7	F-4	C	Q9	A-3	S	TP14	H-2	C
CN8	F-4	C	Q10	A-2	S	TP15	A-3	C
CN10	G-4	C	Q11	E-4	C	TP16	A-3	C
CN11	G-4	C	Q12	F-3	S	TP17	A-4	C
CN12	H-4	C	Q13	F-3	S	TP18	B-3	C
CN13	J-2	C	Q14	F-3	S	TP19	H-2	C
CN14	H-4	C	Q15	G-3	C	TP20	H-1	C
CN15	J-2	C	Q16	E-3	S	TP21	C-1	C
CN16	H-1	C	Q17	E-3	S	TP22	C-1	C
CN17	E-1	C	Q18	G-3	C	TP23	B-2	C
CN18	J-1	C	Q19	F-1	S	TP24	G-1	C
CN19	A-4	C	Q20	F-1	S			
			Q21	F-2	S	X1	D-2	C
D1	B-3	S	Q22	H-4	C			
D2	C-2	C	Q23	F-2	S			
D3	C-3	C	Q24	F-2	S			
D4	E-4	C	Q25	G-4	C			
D5	E-3	S	Q26	E-3	S			
D6	G-3	C	Q27	E-3	S			
D7	F-2	S	Q28	E-3	S			
D8	F-3	C	Q29	E-4	C			
D9	E-3	S	Q30	E-3	S			
D10	E-3	C	Q31	E-3	S			
D11	H-3	S	Q32	E-3	C			
D12	G-3	C	Q33	F-3	S			
D13	H-4	C	Q34	F-3	S			
D14	F-1	S	Q35	G-3	S			
D15	F-2	C	Q36	H-4	C			
D16	F-1	C	Q37	H-3	S			
D17	D-4	S	Q38	H-3	S			
D18	H-2	S	Q39	H-4	C			
			Q40	G-1	S			
E1	B-3	C	Q41	F-2	S			
E2	D-1	C	Q42	D-4	S			
E3	H-2	C	Q43	J-1	S			
E4	H-3	C	Q44	C-1	S			
			Q45	C-1	S			
IC1	B-2	C	Q46	C-1	S			
IC2	E-2	C	Q47	A-1	S			
IC3	G-2	C	Q48	C-2	S			
IC4	A-3	C						
IC5	H-1	C	RV1	J-1	C			
IC6	A-3	C						
IC7	B-3	C	S1	G-1	C			
IC8	B-3	C	S2	F-1	C			
IC9	H-2	C						
IC10	C-1	C	TP1	A-4	C			
IC11	E-4	C	TP2	A-2	C			
IC12	C-3	C	TP3	A-4	C			
IC13	H-2	C	TP4	A-4	C			
			TP5	A-3	C			
Q1	B-2	S	TP6	A-4	C			
Q2	D-2	S	TP7	H-4	C			

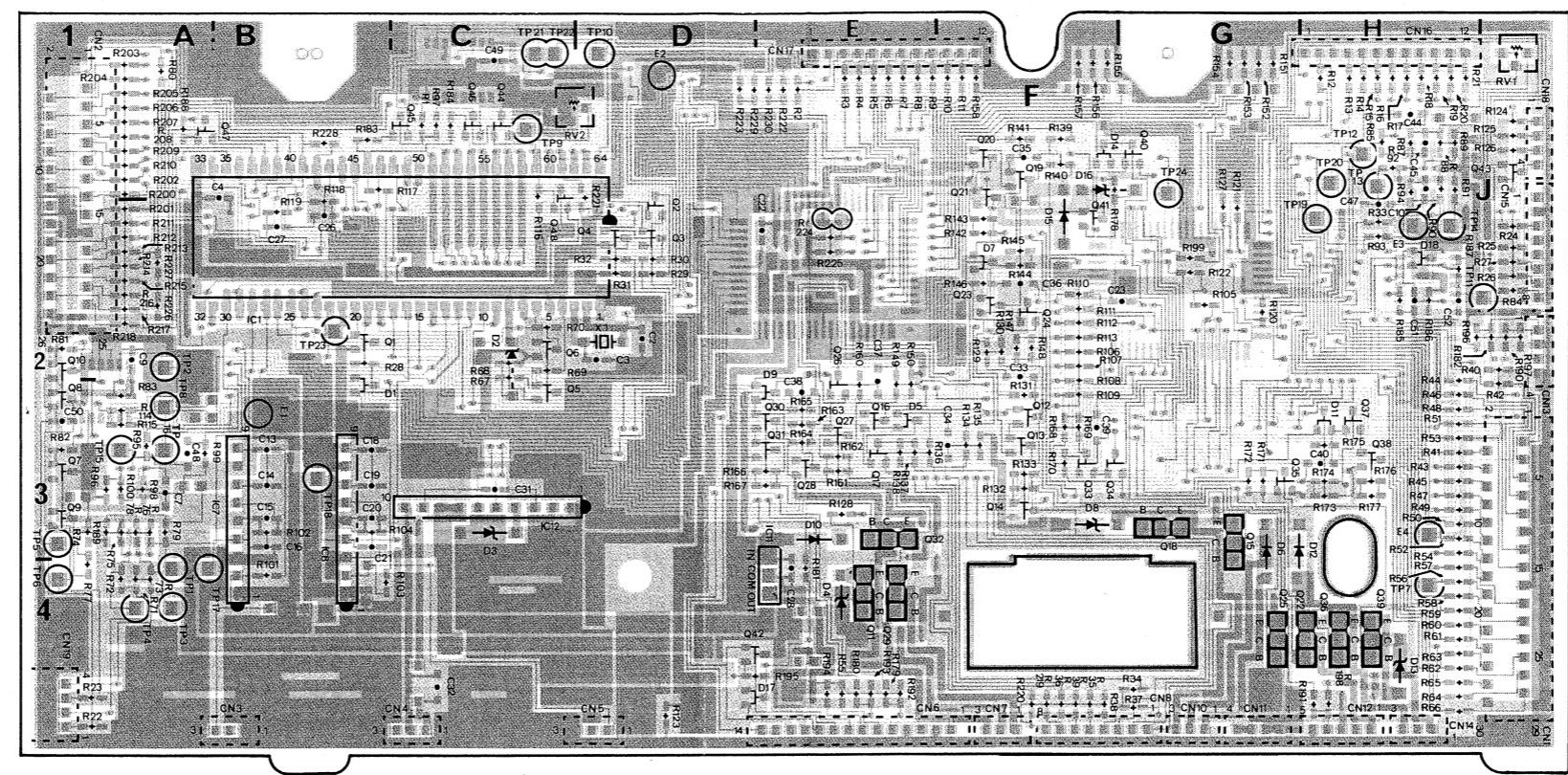
. C; COMPONENT SIDE
. S; SOLDERING SIDE





SY-110 - COMPONENT SIDE-

I-622-893-13(1)
BVW-35
BVW-35P



SY-110 - SOLDERING SIDE-

I-622-893-13(1)
BVW-35
BVW-35P

CS-22, DU-39, SW-24, SWC-3, SW-203

CS-22, DU-39, SW-24, SWC-3, SW-203

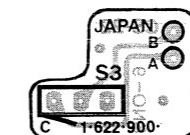
CS-22 ; SP CASSETTE-IN SWITCH

DU-39 ; EJECT MOTOR

SW-24 ; UNTHREADING-END SWITCH

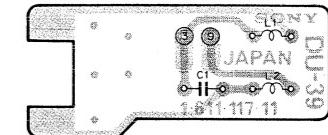
SWC-3 ; TENSION REGULATOR SWITCH

SW-203 ; MISS REC/CASSETTE-IN SWITCH



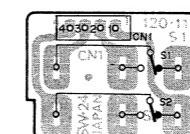
CS-22

—COMPONENT SIDE—
I-622-900-12(1)
BVW-35
BVW-35P



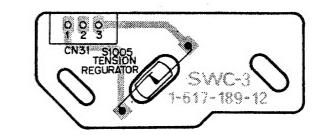
DU-39 —COMPONENT SIDE—

I-611-117-11(1)
BVW-35
BVW-35P



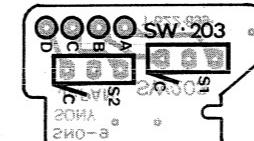
SW-24

—COMPONENT SIDE—
I-611-120-11(1)
BVW-35
BVW-35P



SWC-3 —COMPONENT SIDE—

I-617-189-12(1)
BVW-35
BVW-35P

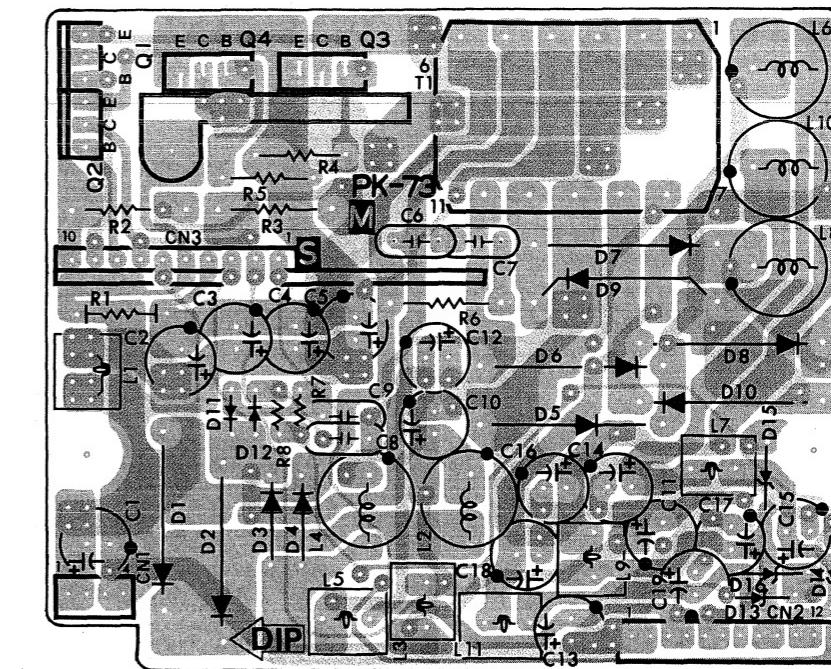


SW-203

—COMPONENT SIDE—
I-622-899-12(1)
BVW-35
BVW-35P

DC-DC CONV. DC-DC CONV.

DC-DC CONVERTER



DC-DC CONVERTER —COMPONENT SIDE—
BVW-35
BVW-35P

PSW-8, BC-14, BC-17, DC-35

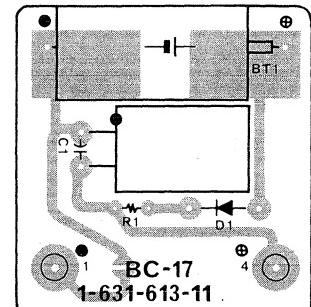
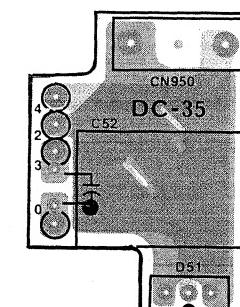
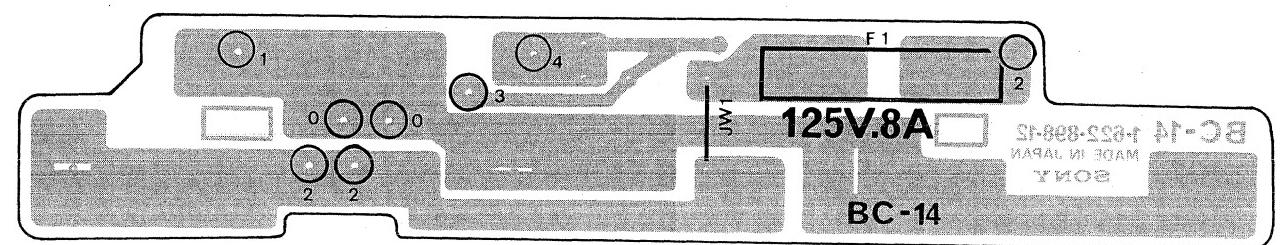
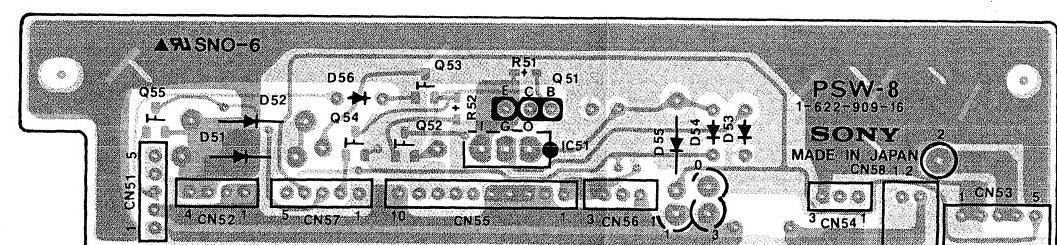
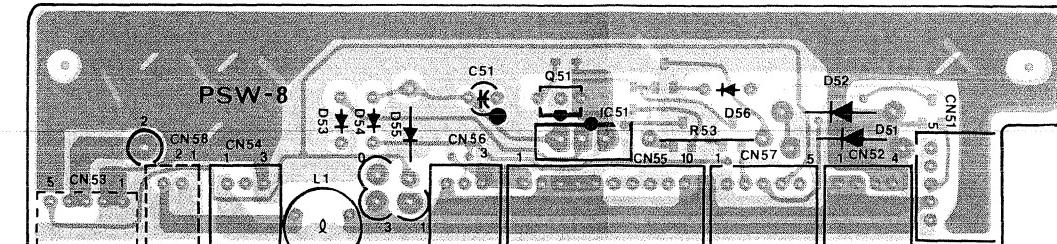
PSW-8, BC-14, BC-17, DC-35

PSW-8; POWER SWITCH CONTROL

BC-14; BATTERY

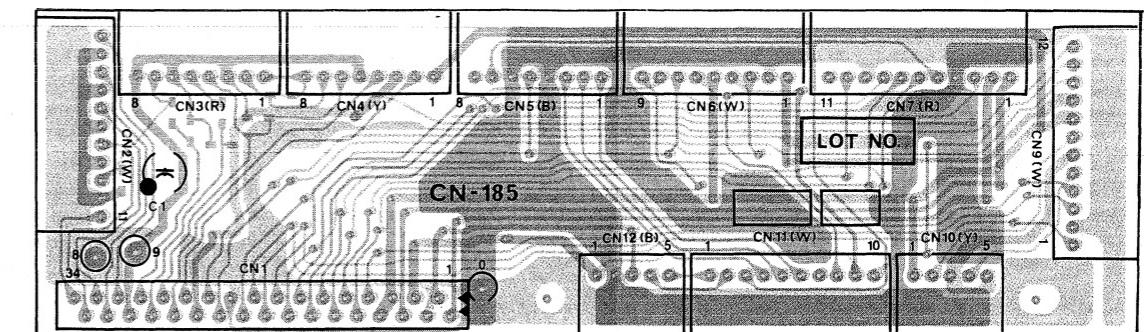
BC-17; BATTERY

DC-35; DC IN/DIODE



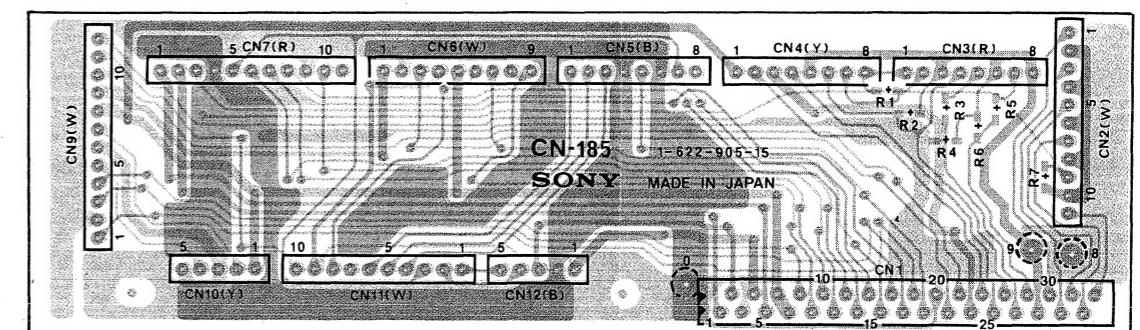
CN-185 CN-185

CN-185 ; CP CONNECTION BOARD



CN-185 — COMPONENT SIDE —

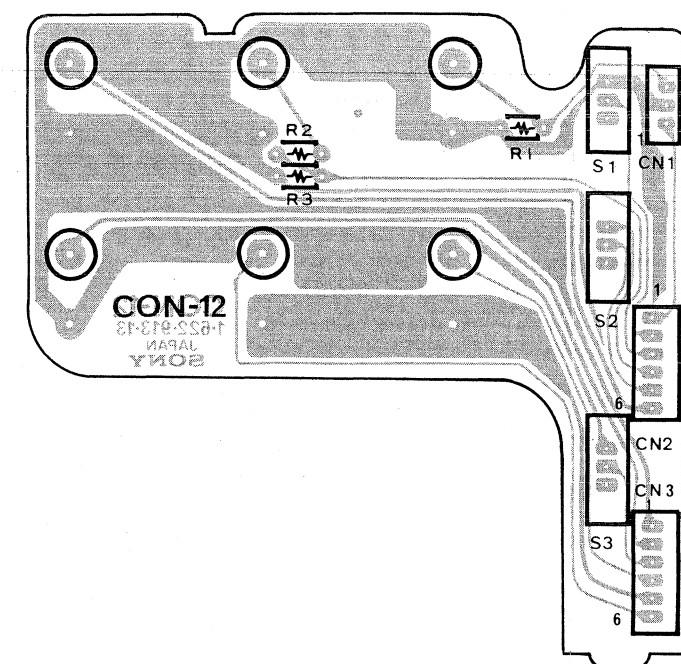
I-622-905-15(I)
BVW-35
BVW-35P



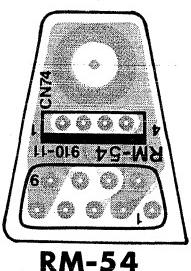
CN-185 — SOLDERING SIDE —

I-622-905-15(I)
BVW-35
BVW-35P

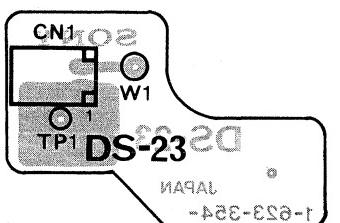
CON-12 ; BNC CONNECTOR
 RM-54 ; 9P REMOTE CONTROL
 RMD-1 ; RF MODULATOR
 DS-23 ; DEW CONNECTION BOARD



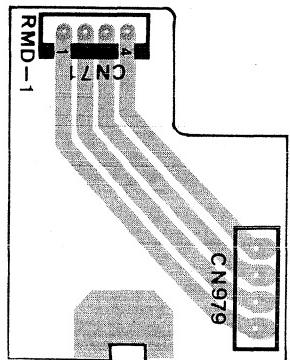
CON-12 —COMPONENT SIDE—
 I-622-913-13(1)
 BVW-35
 BVW-35P



RM-54
 —COMPONENT SIDE—
 I-622-910-11(1)
 BVW-35
 BVW-35P



DS-23 —COMPONENT SIDE—
 I-623-354-12(1)
 BVW-35
 BVW-35P



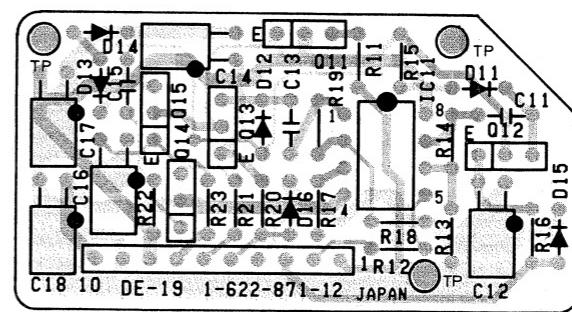
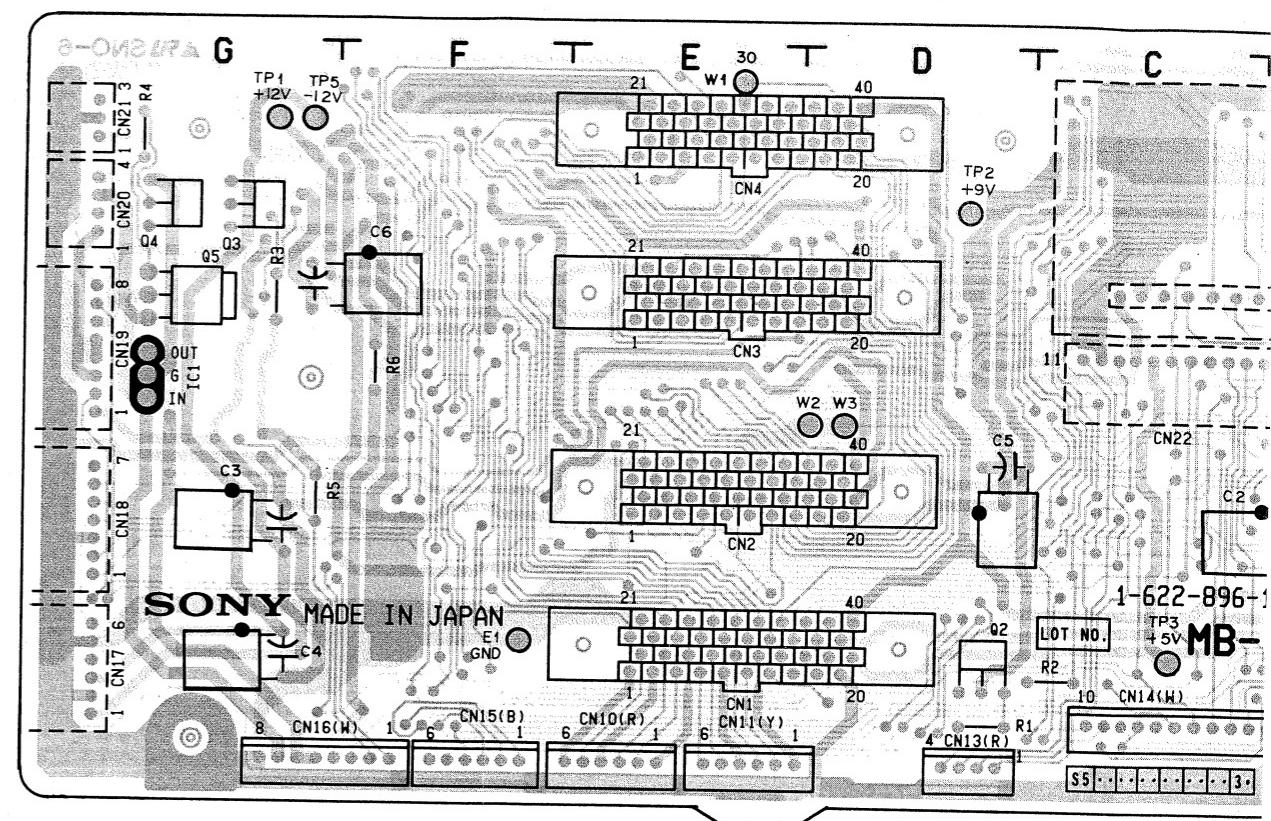
RMD-1 —COMPONENT SIDE—
 I-622-911-13(1)
 BVW-35
 BVW-35P

MB-157 ; MOTHER BOARD

DE-19 ; LEVEL DETECTOR

MB-157 (1-622-896-13)

CN1	E-5	C
CN2	E-4	C
CN3	E-2	C
CN4	E-1	C
CN5	A-6	C
CN6	A-3	C
CN7	A-6	C
CN8	B-4	C
CN9	B-5	C
CN10	E-5	C
CN11	E-5	C
CN12	A-1	C
CN13	D-5	C
CN14	C-5	C
CN15	F-5	C
CN16	G-5	C
CN17	G-5	C
CN18	G-4	C
CN19	G-3	C
CN20	G-2	C
CN21	G-1	C
CN22	C-3	C
E1	F-4	C
IC1	G-3	C
Q1	B-3	C
Q2	D-5	C
Q3	G-2	C
Q4	G-2	C
Q5	G-2	C
TP1	G-1	C
TP2	D-2	C
TP3	C-5	C
TP4	B-4	C
TP5	G-1	C

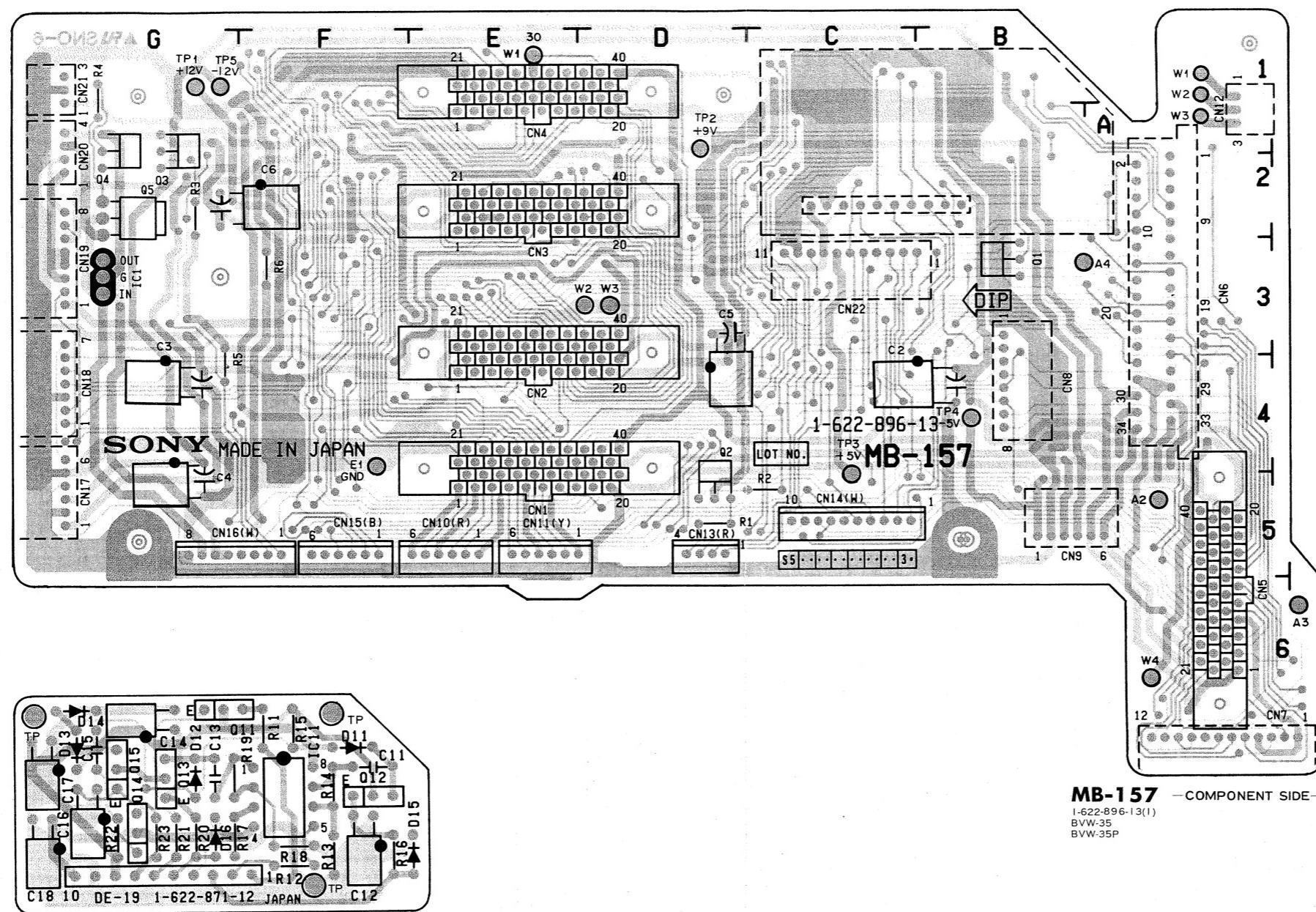


DE-19 - COMPONENT SIDE

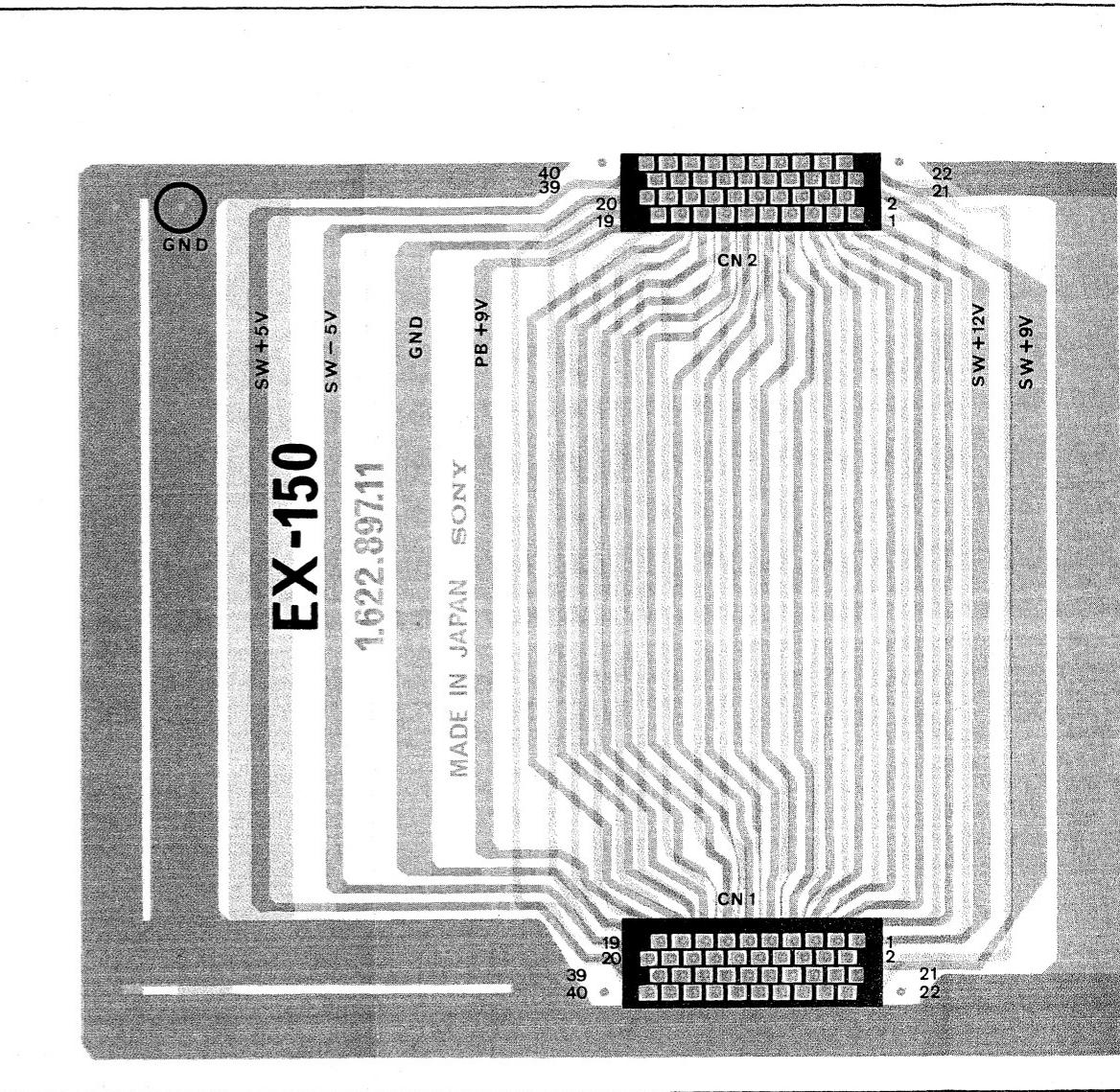
1-622-871-12(1)
BVW-35
BVW-35P

MB-157 ; MOTHER BOARD
DE-19 ; LEVEL DETECTOR

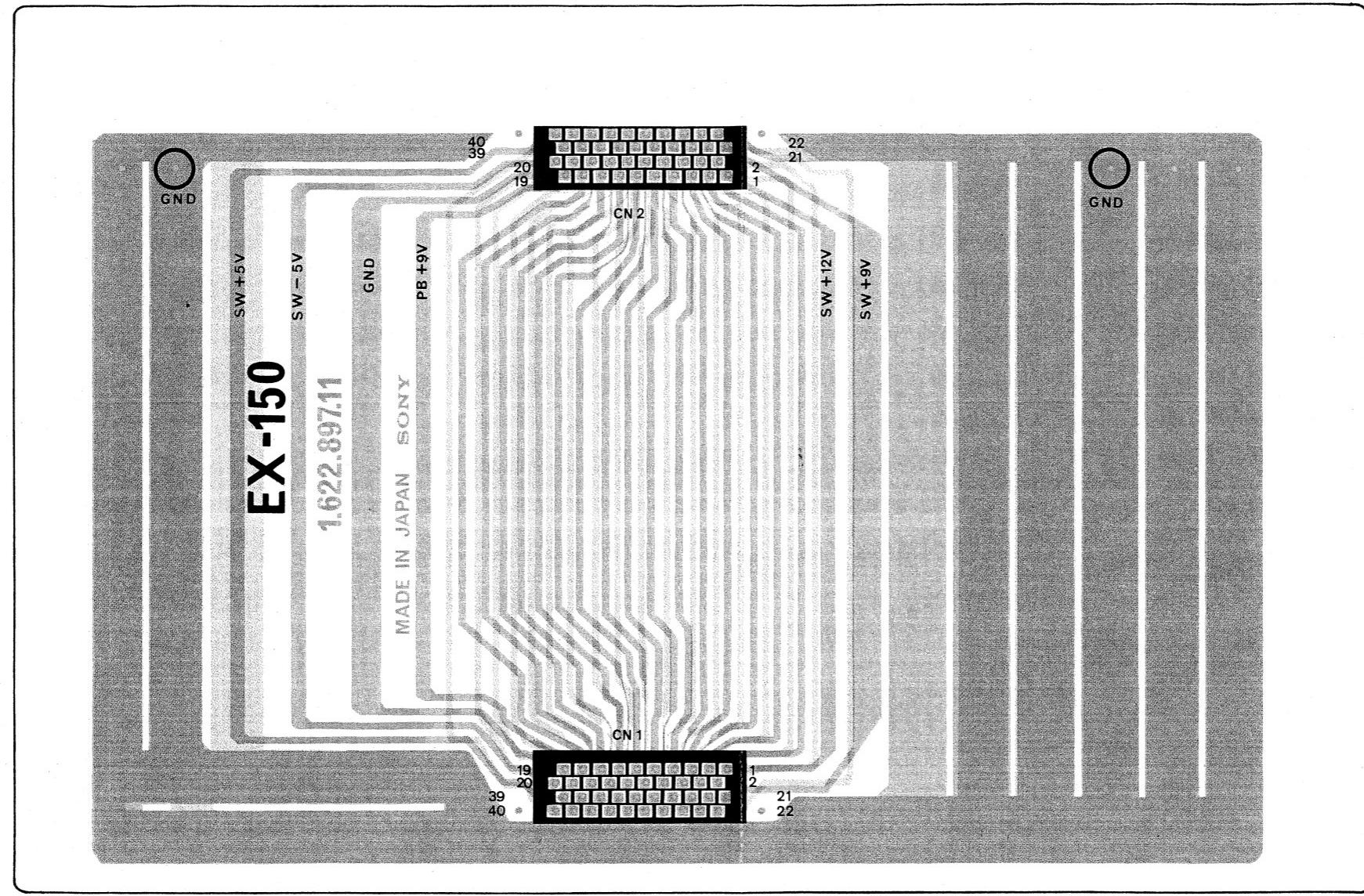
(1-622-896-13)



EX-150 ; EXTENSION BOARD



EX-150 ; EXTENSION BOARD



EX-150 — SOLDERING SIDE —

I-622-897-11(1)
BVW-35
BVW-35P

SECTION 16

SPARE PARTS AND FIXTURE

16-1. PARTS INFORMATION

(1)

The shaded and  -marked components are critical to safety.
Replace only with same components as specified.

- (2) Replacement Parts supplied from the Sony Parts Center will sometimes have a different shape from the original parts. This is due to "improved parts and/or engineering changes" or "standardization of genuine parts".
This manual's exploded views and electrical spare parts list indicate the part numbers of "the standardized genuine parts at the present". Regarding engineering part changes by the engineering department, refer to Sony service bulletins and service manual supplements.
- (3) The parts marked with "s" in the SP column of the exploded views and electrical spare parts list are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.
- (4) Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- (5) (T) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for use.
(Example)
Spring, tension (24T); This spring must be cut at its 24th turn for actual use.

PARTS CHANGE INFORMATION

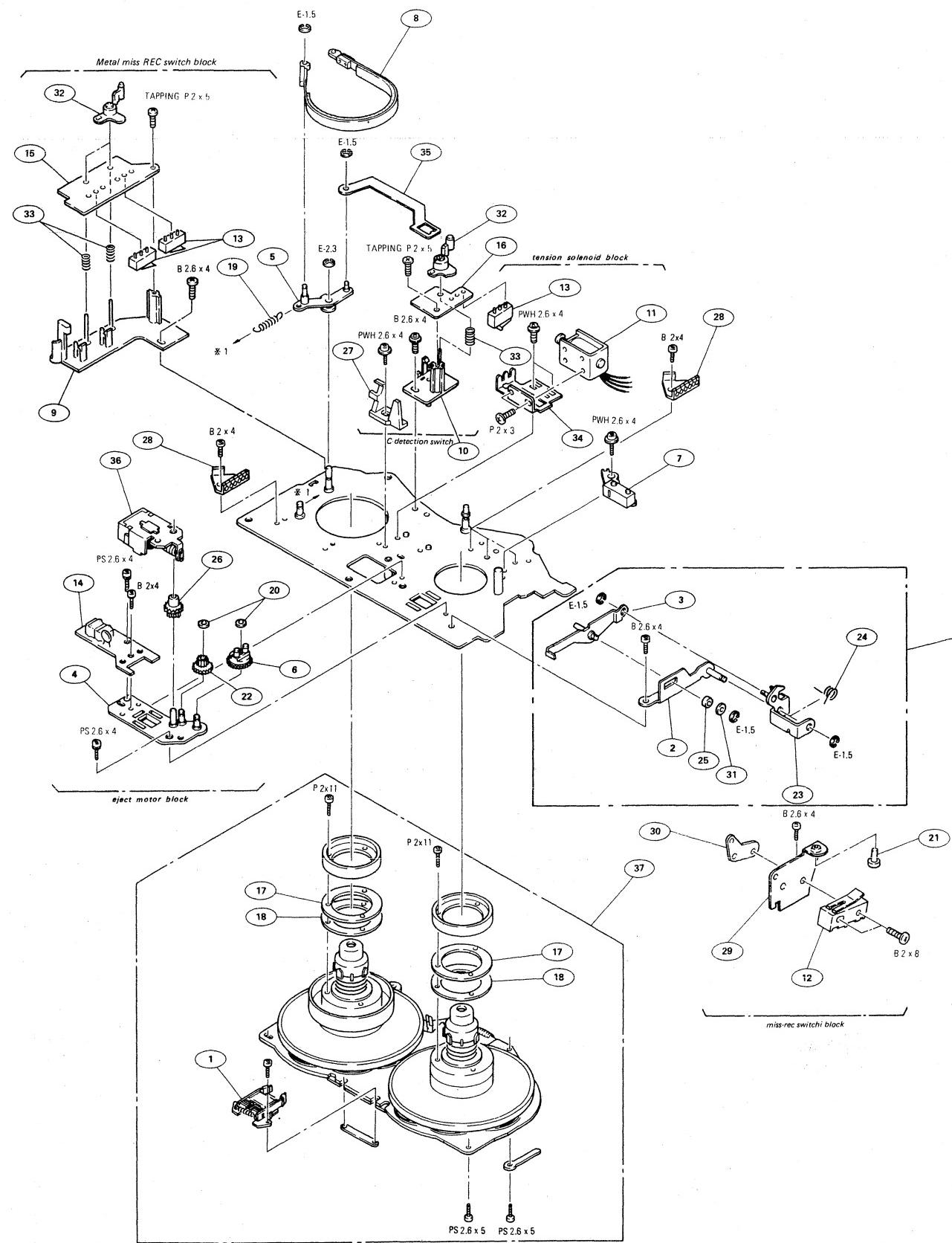
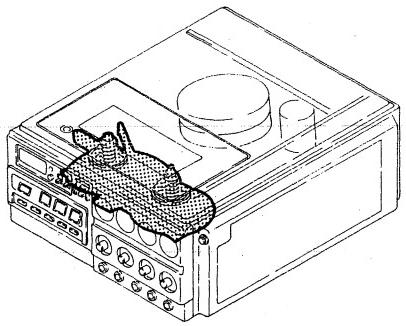
- In this parts list, **) marked parts are design-changed.
- Applicable Serial No. are as follows;
- 1) Marked parts are for Serial No. up to 11768.
- 2) Marked parts are for Serial No. 11769 and higher.
- 3) Marked parts are for Serial No. up to 11838.
- 4) Marked parts are for Serial No. 11839 and higher.
- 5) Marked parts are for Serial No. up to 11928.
- 6) Marked parts are for Serial No. 11932 and higher.
- 7) Marked parts are for Serial No. up to 11968.
- 8) Marked parts are for Serial No. 11969 and higher.
- 9) Marked parts are for Serial No. up to 12048.
- 10) Marked parts are for Serial No. 12049 and higher.

16-2. EXPLODED VIEW

- Exploded views are composed of the following blocks.
- (1) Reel Chassis Block
 - cassette-in switch
 - reel motor
 - eject motor
 - tension solenoid
 - lock and unlock ass'y
 - miss-REC switch
- (2) Drum, Stationary Heads, Tape Guides and Capstan Blocks
 - head drum
 - audio/TC head
 - CTL/FE head
 - tape guides
 - capstan motor
- (3) Threading Ring, Motors and Switch Blocks
 - threading ring
 - drum motor
 - threading motor
 - unthreading end switch
 - tape beginning sensor
- (4) Pinch Press Mechanism and Tape-end Sensor Blocks
 - pinch press mechanism
 - tape-end sensor
- (5) Ring Stopper Assembly Block
 - ring stopper
- (6) Gear Assembly Block
 - gear assembly
 - slant guide
- (7) Reel Chassis Block (Back Side)
 - motor pulley
 - belt
 - back side printed circuit board
- (8) Cassette-up Compartment Block
 - cassette-up compartment
- (9) Chassis and Printed Circuit Boards Blocks
- (10) Battery Case block
- (11) Front Panel Block
 - ornamental front panel
 - front side printed circuit boards
- (12) Meter Panel Block
 - meter panel
- (13) Connector Panel and DC-DC Converter Blocks
 - connector panel
 - DC-DC converter
- (14) Ornamental Panel Block
 - ornamental panels

REEL CHASSIS

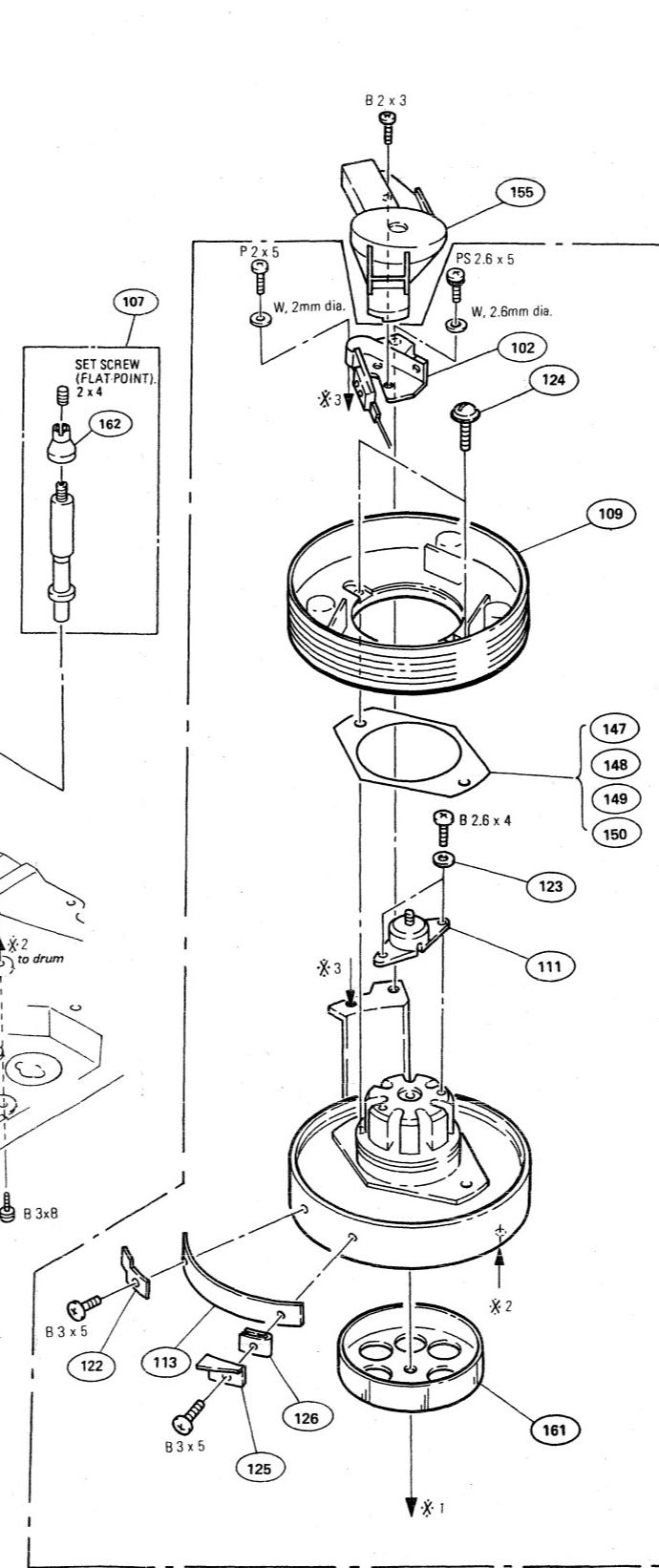
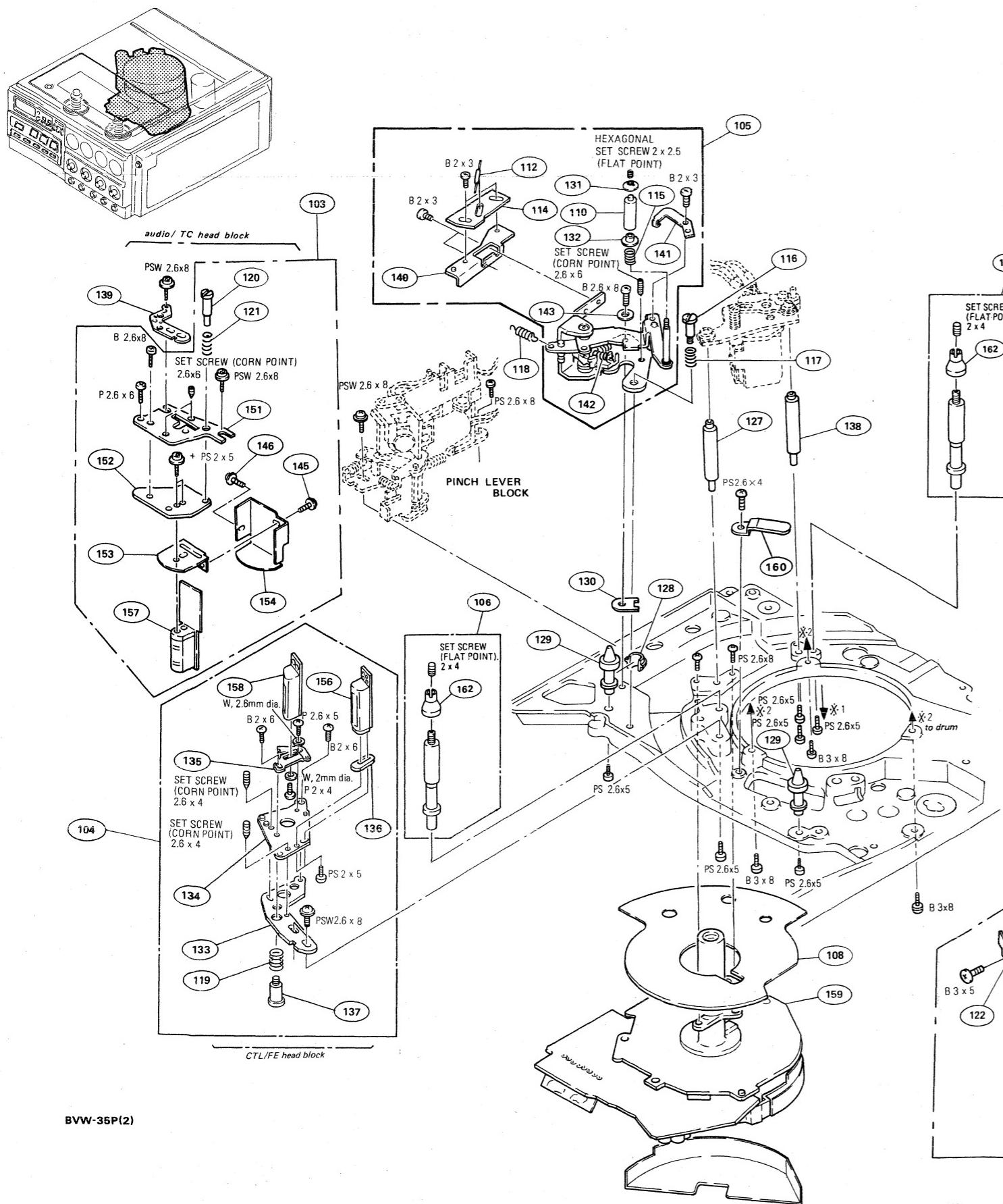
Reel Chassis Block



BVW-35P(2)

No.	Part No.	SP	Description
1	X-2621-026-1	o	SOLENOID ASSY, BRAKE
2	X-3682-802-0	o	BRACKET ASSY
3	X-3682-803-2	o	UNLOCK ASSY
4	X-3682-804-0	o	BRACKET ASSY, MOTOR
5	X-3682-805-0	o	LEVER ASSY, TR SOLENOID
6	X-3682-807-1	s	GEAR ASSY, LAST STEP
7	X-3682-809-0	s	SWITCH ASSY, C-LOCK
8	X-3682-811-0	s	BAND ASSY, TR
9	X-3719-110-1	o	BASE ASSY, SW
10	X-3719-111-1	o	BASE ASSY, DETECTION, C
11	I-454-334-51	s	SOLENOID, PLUNGER
12	I-570-028-11	s	SWITCH, MICRO
13	I-571-064-11	s	SWITCH, MICRO
14	I-611-117-11	o	PRINTED CIRCUIT BOARD, DU-39
15	I-622-899-12	o	PRINTED CIRCUIT BOARD, SW-203
16	I-622-900-12	o	PRINTED CIRCUIT BOARD, CS-22
17	2-621-040-01	s	SPACER (A)
18	2-621-040-11	s	SPACER (B)
19	3-568-321-00	s	SPRING, TENSION
20	3-570-615-00	s	POLY-WASHER (DIA.1.2)
21	3-676-277-00	o	SHAFT, CASSETTE-IN
22	3-682-818-00	s	GEAR, MIDWAY
23	X-3719-145-1	o	ARM ASSY, LOCK, CASSETTE-UP COMPARTMENT
24	3-682-824-00	o	SPRING, TORSION
25	3-682-825-00	o	ROLLER
26	3-682-842-00	s	WHEEL, WORM
27	3-682-845-00	o	BRACKET, TRANSFORMER BAND
28	3-682-847-00	s	CLAMP, LEAD
29	3-698-705-01	o	BRACKET (A), M-SW
30	3-698-706-01	o	BRACKET (B), M-SW
31	3-701-439-21	s	WASHER, POLY 3 MM DIA., 0.50T
32	3-719-118-01	s	ACTUATOR
33	3-719-119-01	s	SPRING, COMPRESSION
34	3-719-120-01	o	BRACKET, TR SOLENOID
35	3-719-121-01	o	PLATE, LEVER TR
36	8-835-067-01	s	MOTOR, DC (DNR-5300A)
37	8-838-059-03	s	MOTOR, DC (BHF-1801B)
38	A-6751-182-C	o	LOCK AND UNLOCK ASSY

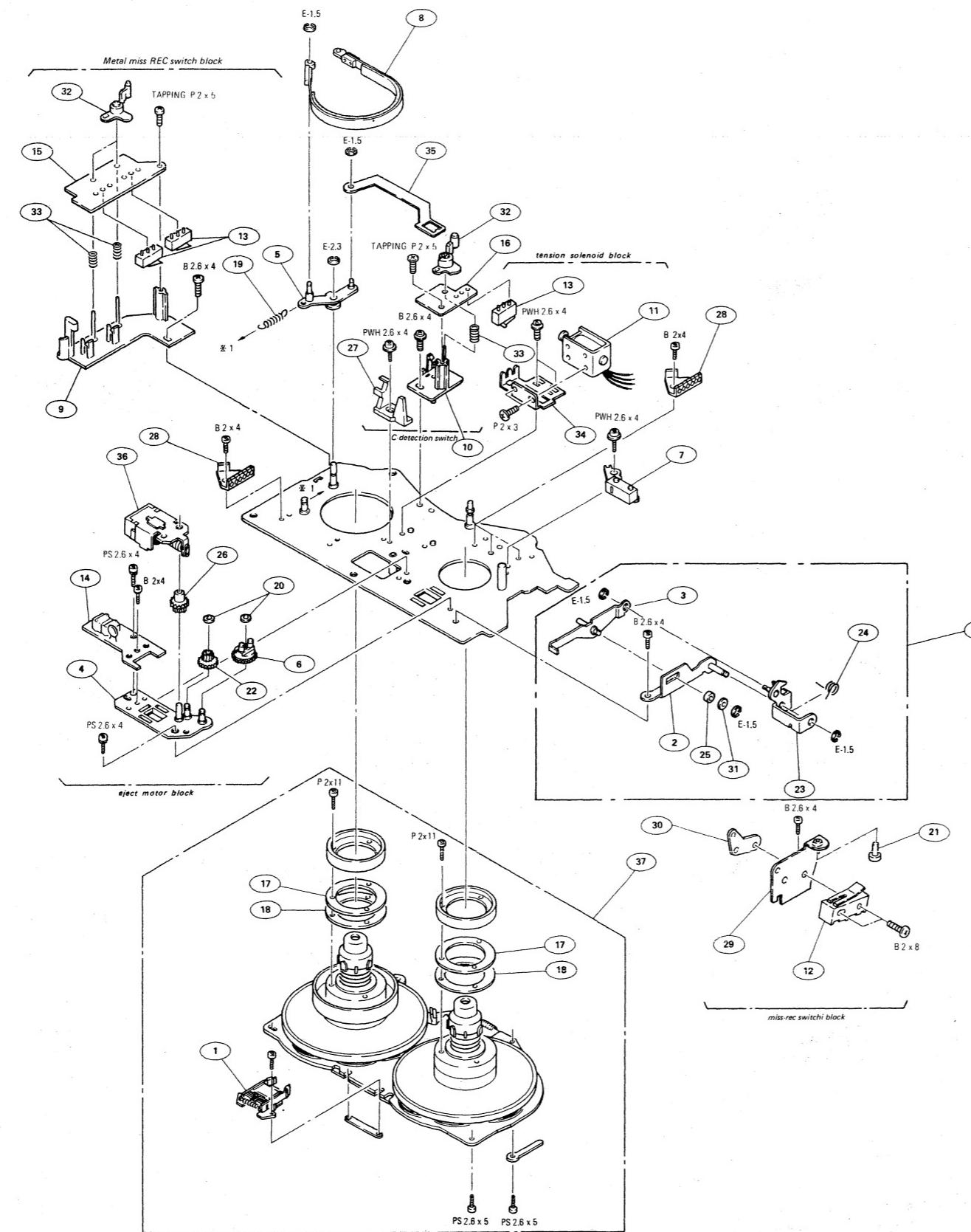
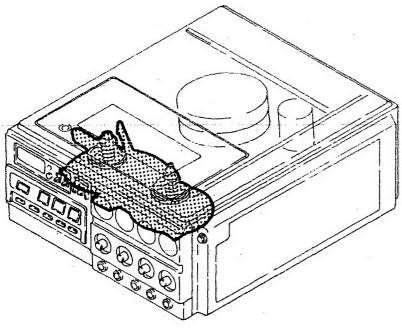
Drum, Stationary Heads, Tape Guides and Capstan Blocks



No.	Part No.	SP	Description
101	A-6050-525-A	s	HEAD DRUM ASSY (DBH-04A-R)
102	A-6050-655-A	s	BRUSH ASSY
103	A-6736-072-A	o	HEAD ASSY, ATAC
104	A-6736-073-B	o	HEAD ASSY, CTL
105	A-6742-060-D	s	TENSION REGULATOR ASSY
106	A-6746-023-A	s	GUIDE ASSY, ENTRANCE
107	A-6746-024-A	s	GUIDE ASSY, EXIT
108	A-6759-147-A	o	SHIELD ASSY, CAPSTAN
109	A-6762-334-A	s	DRUM ASSY, UPPER, ROTARY (DBR-04-R)
110	X-3675-851-0	s	ROLLER ASSY, TR
111	A-6050-657-A	s	RING ASSY, SLIP
112	1-570-816-11	s	SWITCH, REED
113	1-586-633-00	s	DETECTOR, DEW
114	1-617-189-12	o	PRINTED CIRCUIT BOARD, SWC-3
115	2-618-901-00	s	SPRING
116	3-145-535-01	s	SCREW, HEAD
117	3-428-132-00	s	SPRING, COMPRESSION
118	3-535-346-00	s	SPRING, TENSION
119	3-564-121-00	s	SPRING, COMPRESSION
120	3-643-451-00	s	SCREW, AZIMUTH ADJUSTMENT
121	3-653-350-00	s	SPRING, COMPRESSION
122	3-675-701-00	o	TERMINAL BOARD
123	3-675-702-00	o	WASHER, INSULATING
124	3-675-740-00	s	EXT TOOTH (W) (MIDDLE)
125	3-675-756-02	o	STOPPER (A), TAPE
126	3-675-757-01	o	TERMINAL, GROUND
127	3-676-013-00	o	SUPPORT (A), AU HEAD
128	3-676-018-00	o	STOPPER, TENSION REGULATOR
129	3-676-177-00	s	SHAFT, CG
130	3-676-208-00	o	PLATE, SINK
131	3-677-752-00	s	NUT, ADJUSTMENT, T
132	3-682-953-02	s	RETAINER, T
133	3-687-139-01	o	BASE, CTL HEAD
134	3-687-140-01	o	BRACKET, CTL HEAD
135	3-687-141-01	o	BRACKET, FE HEAD
136	3-687-142-01	o	SPACER, CTL HEAD
137	3-687-143-01	o	SCREW (M2.6x9.4), HEAD CLAMP
138	3-698-732-01	o	SUPPORT (B), AU HEAD
139	3-698-750-01	o	ADJUSTER, Y
140	3-699-218-01	o	HOLDER, L-SW
141	3-699-219-02	o	BRACKET, MAGNET
142	3-699-284-01	s	SPRING, TENSION
143	3-701-439-01	s	WASHER, POLY 3 MM DIA., 0.13T
145	3-703-502-01	s	SCREW, 1.4 x 1.6
146	3-703-502-41	s	SCREW, 1.4 x 3.5
147	3-717-120-01	s	SPACER, FLANGE
148	3-717-120-11	s	SPACER, FLANGE
149	3-717-120-21	s	SPACER, FLANGE
150	3-717-120-31	s	SPACER, FLANGE
151	3-719-124-01	o	BRACKET (1), AT HEAD
152	3-719-125-01	o	BRACKET (2), AT HEAD
153	3-719-126-01	o	PLATE (A), SHIELD, AT
154	3-719-127-01	o	PLATE (B), SHIELD, AT
155	3-719-212-01	o	DRUM COVER
156	8-825-554-83	s	HEAD, CTL (PS244-21B)
157	8-825-623-31	s	HEAD, ATAC (EPS244-2103C)
158	8-825-770-72	s	HEAD, FE (EFZ91-21)
159	8-835-261-01	s	MOTOR, DC (BHF-1920A)
160	3-719-238-01	o	PLATE (B), SHIELD, EJ
161	X-3717-113-2	s	PULLEY ASSY, DRUM
162	3-676-137-02	s	FLANGE, TAPE ROLLER

REEL CHASSIS **REEL CHASSIS**

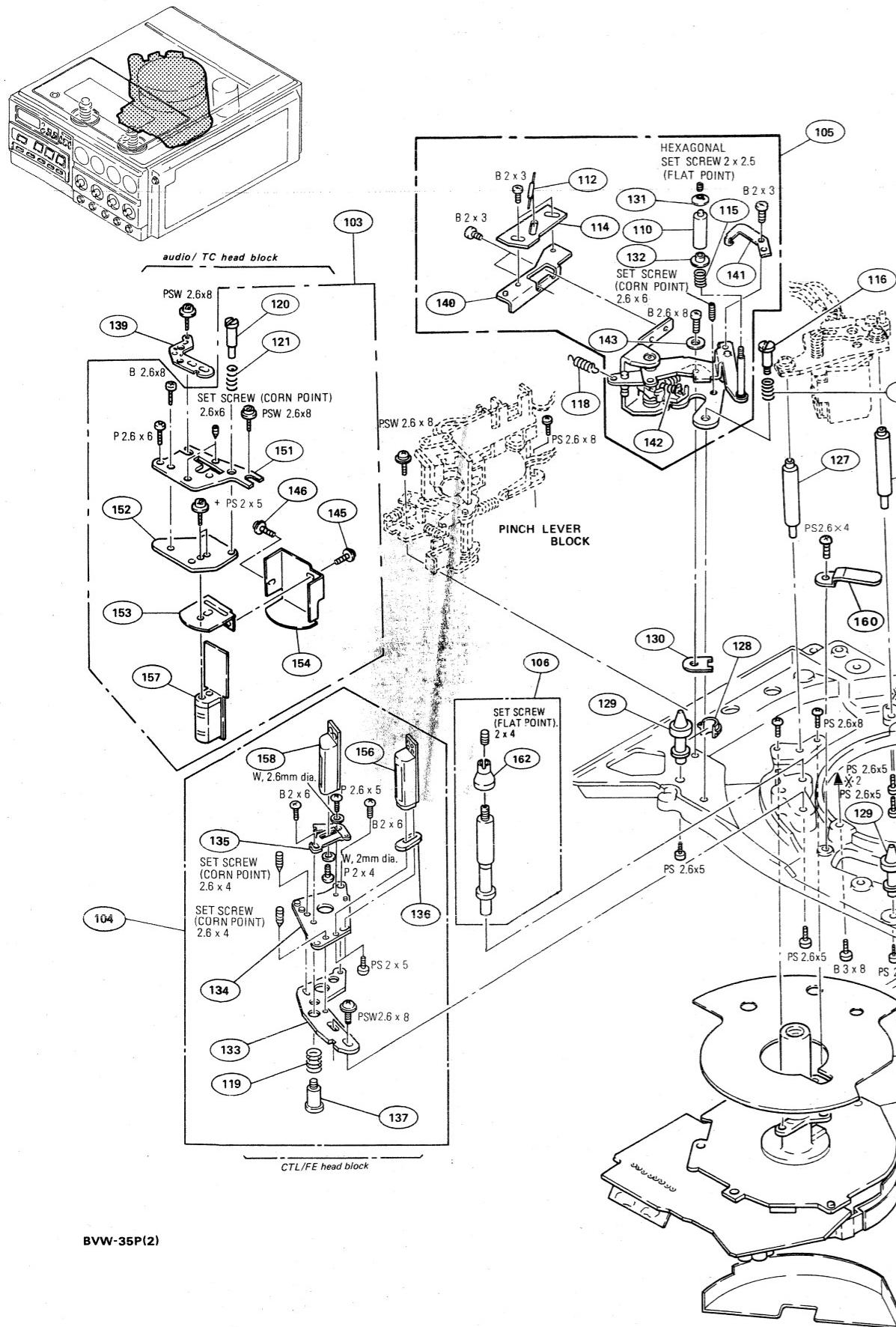
Reel Chassis Block



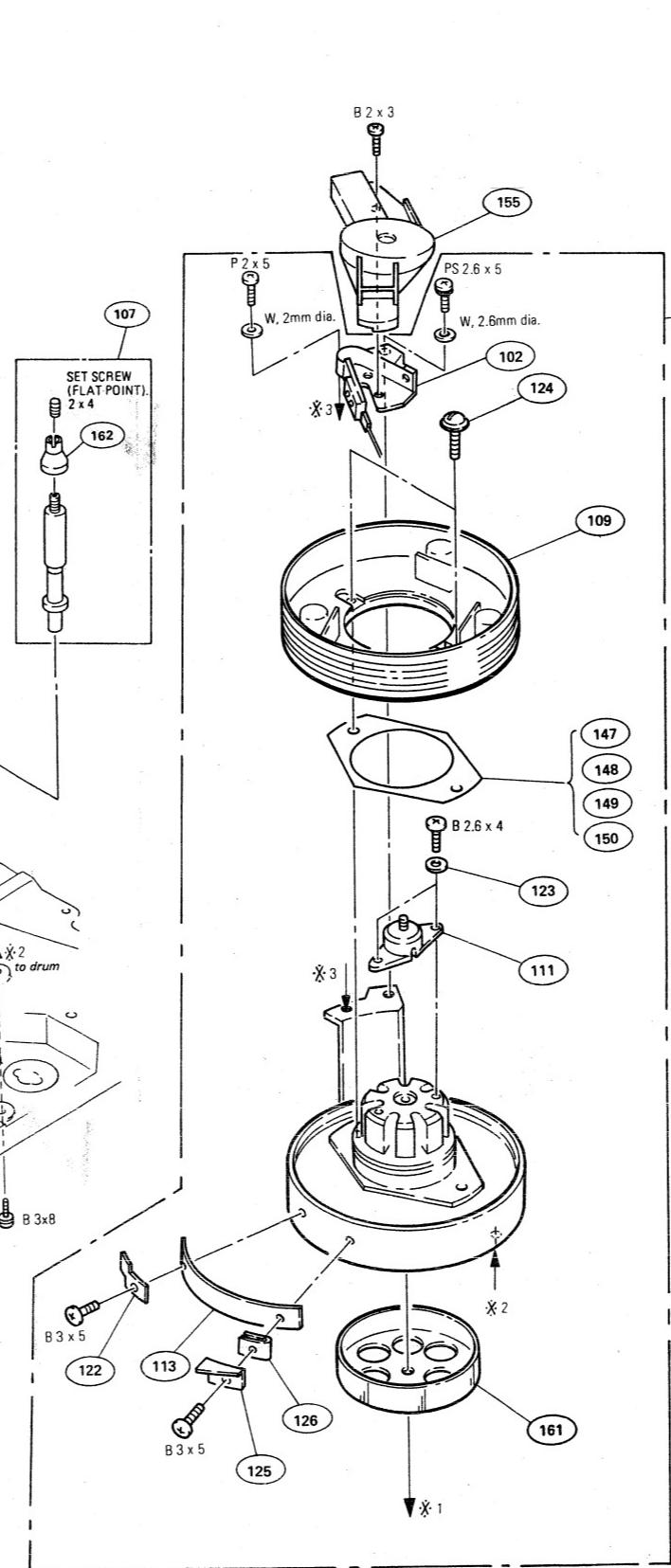
BVW-35P(2)

No.	Part No.	SP	Description
1	X-2621-026-1	o	SOLENOID ASSY, BRAKE
2	X-3682-802-0	o	BRACKET ASSY
3	X-3682-803-2	o	UNLOCK ASSY
4	X-3682-804-0	o	BRACKET ASSY, MOTOR
5	X-3682-805-0	o	LEVER ASSY, TR SOLENOID
6	X-3682-807-1	s	GEAR ASSY, LAST STEP
7	X-3682-809-0	s	SWITCH ASSY, C-LOCK
8	X-3682-811-0	s	BAND ASSY, TR
9	X-3719-110-1	o	BASE ASSY, SW
10	X-3719-111-1	o	BASE ASSY, DETECTION, C
11	1-454-334-51	s	SOLENOID, PLUNGER
12	1-570-028-11	s	SWITCH, MICRO
13	1-571-064-11	s	SWITCH, MICRO
14	1-611-117-11	o	PRINTED CIRCUIT BOARD, DU-39
15	1-622-899-12	o	PRINTED CIRCUIT BOARD, SW-203
16	1-622-900-12	o	PRINTED CIRCUIT BOARD, CS-22
17	2-621-040-01	s	SPACER (A)
18	2-621-040-11	s	SPACER (B)
19	3-568-321-00	s	SPRING, TENSION
20	3-570-615-00	s	POLY-WASHER (DIA.1.2)
21	3-676-277-00	o	SHAFT, CASSETTE-IN
22	3-682-818-00	s	GEAR, MIDWAY
23	X-3719-145-1	o	ARM ASSY, LOCK, CASSETTE-UP COMPARTMENT
24	3-682-824-00	o	SPRING, TORSION
25	3-682-825-00	o	ROLLER
26	3-682-842-00	s	WHEEL, WORM
27	3-682-845-00	o	BRACKET, TRANSFORMER BAND
28	3-682-847-00	o	CLAMP, LEAD
29	3-698-705-01	o	BRACKET (A), M-SW
30	3-698-706-01	o	BRACKET (B), M-SW
31	3-701-439-21	s	WASHER, POLY 3 MM DIA., 0.50T
32	3-719-118-01	s	ACTUATOR
33	3-719-119-01	s	SPRING, COMPRESSION
34	3-719-120-01	o	BRACKET, TR SOLENOID
35	3-719-121-01	o	PLATE, LEVER TR
36	8-835-067-01	s	MOTOR, DC (DNR-5300A)
37	8-838-059-03	s	MOTOR, DC (BHF-1801B)
38	A-6751-182-C	o	LOCK AND UNLOCK ASSY

Drum, Stationary Heads, Tape Guides and Capstan Blocks

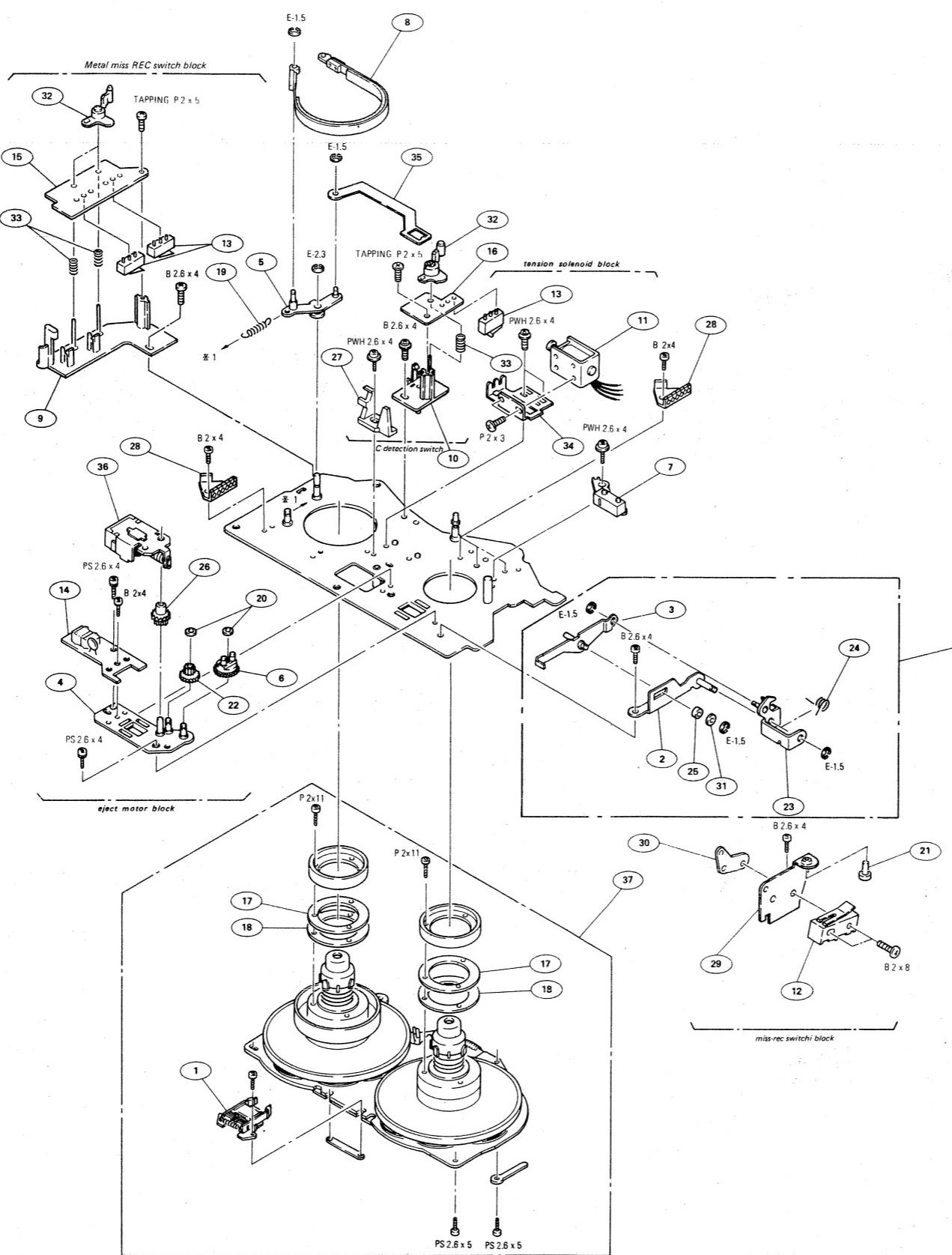
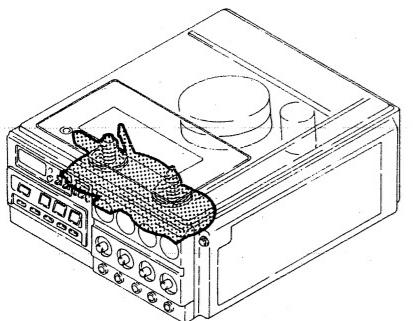


BVW-35P(2)



REEL CHASSIS REEL CHASSIS

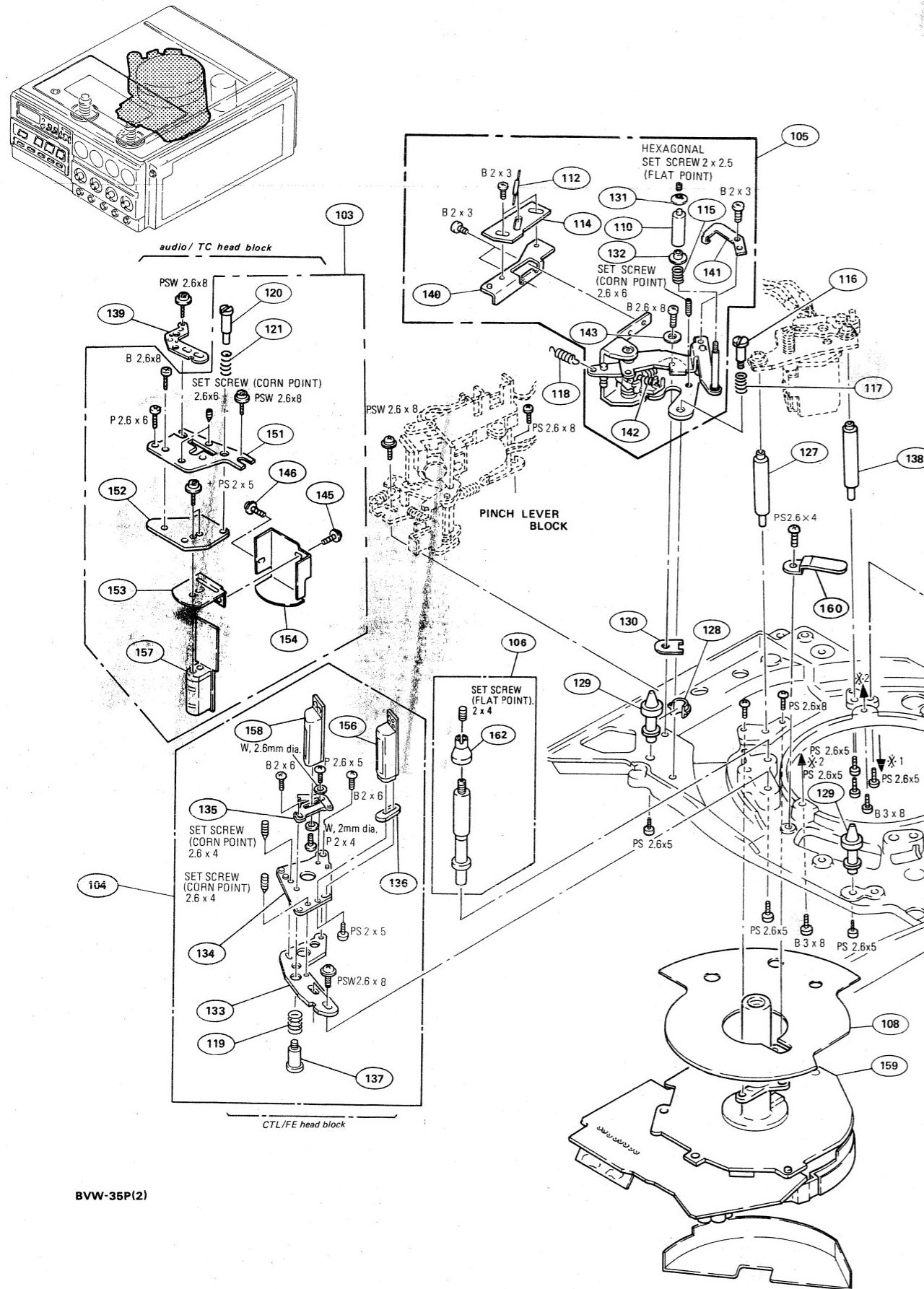
Reel Chassis Block



BVW-35P(2)

No.	Part No.	SP	Description
1	X-2621-026-1	o	SOLENOID ASSY, BRAKE
2	X-3682-802-0	o	BRACKET ASSY
3	X-3682-803-2	o	UNLOCK ASSY
4	X-3682-804-0	o	BRACKET ASSY, MOTOR
5	X-3682-805-0	o	LEVER ASSY, TR SOLENOID
6	X-3682-807-1	s	GEAR ASSY, LAST STEP
7	X-3682-809-0	s	SWITCH ASSY, C-LOCK
8	X-3682-811-0	s	BAND ASSY, TR
9	X-3719-110-1	o	BASE ASSY, SW
10	X-3719-111-1	o	BASE ASSY, DETECTION, C
11	1-454-334-51	s	SOLENOID, PLUNGER
12	1-570-028-11	s	SWITCH, MICRO
13	1-571-064-11	s	SWITCH, MICRO
14	1-611-117-11	o	PRINTED CIRCUIT BOARD, DU-39
15	1-622-899-12	o	PRINTED CIRCUIT BOARD, SW-203
16	1-622-900-12	o	PRINTED CIRCUIT BOARD, CS-22
17	2-621-040-01	s	SPACER (A)
18	2-621-040-11	s	SPACER (B)
19	3-568-321-00	s	SPRING, TENSION
20	3-570-615-00	s	POLY-WASHER (DIA.1.2)
21	3-676-277-00	o	SHAFT, CASSETTE-IN
22	3-682-818-00	s	GEAR, MIDWAY
23	X-3719-145-1	o	ARM ASSY, LOCK, CASSETTE-UP COMPARTMENT
24	3-682-824-00	o	SPRING, TORSION
25	3-682-825-00	o	ROLLER
26	3-682-842-00	s	WHEEL, WORM
27	3-682-845-00	o	BRACKET, TRANSFORMER BAND
28	3-682-847-00	o	CLAMP, LEAD
29	3-698-705-01	o	BRACKET (A), M-SW
30	3-698-706-01	o	BRACKET (B), M-SW
31	3-701-439-21	s	WASHER, POLY 3 MM DIA., 0.50T
32	3-719-118-01	s	ACTUATOR
33	3-719-119-01	s	SPRING, COMPRESSION
34	3-719-120-01	o	BRACKET, TR SOLENOID
35	3-719-121-01	o	PLATE, LEVER TR
36	8-835-067-01	s	MOTOR, DC (DNR-5300A)
37	8-838-059-03	s	MOTOR, DC (BHF-1801B)
38	A-6751-182-C	o	LOCK AND UNLOCK ASSY

Drum, Stationary Heads, Tape Guides and Capstan Blocks

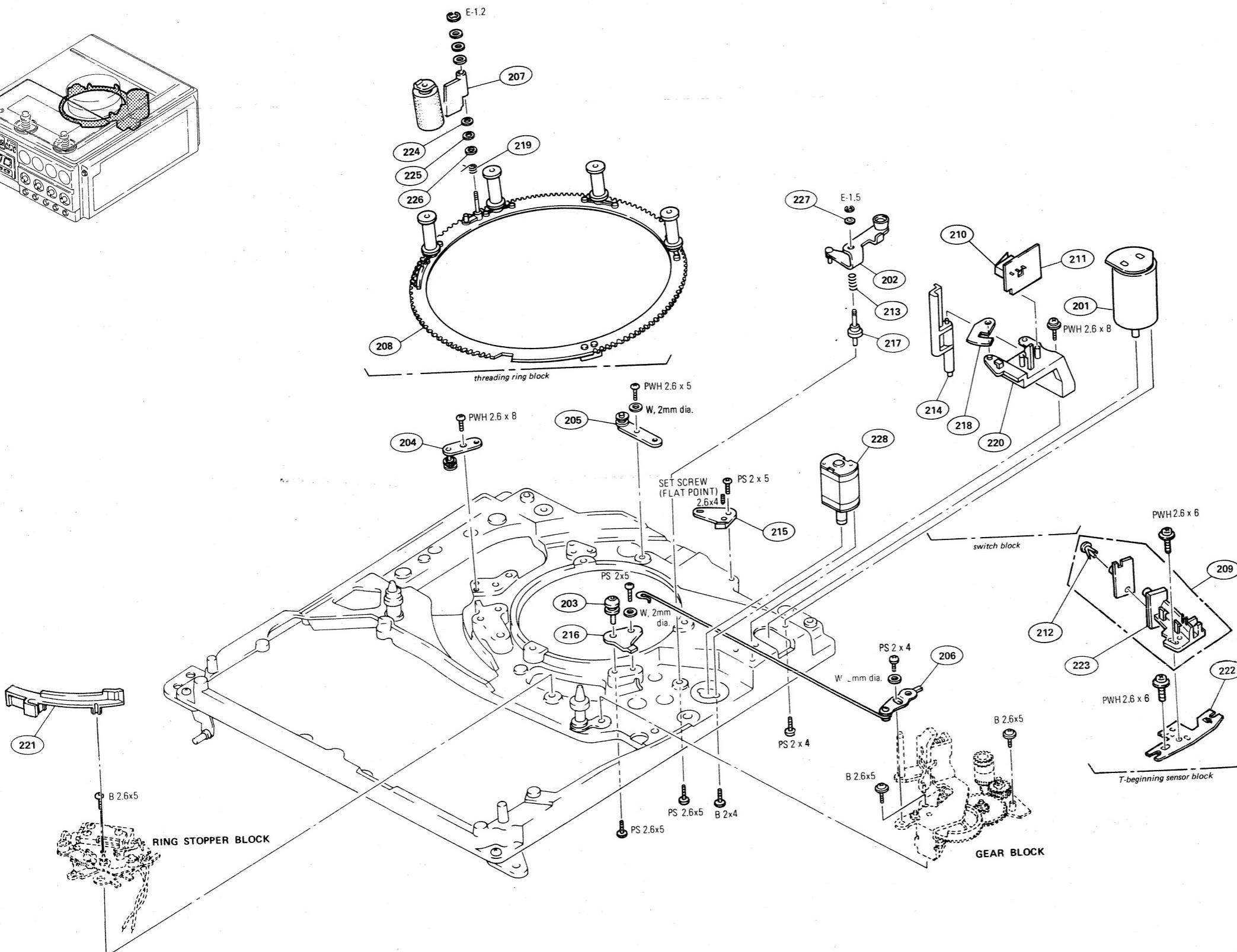
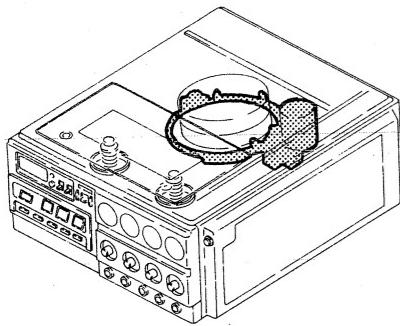


No.	Part No.	SP	Description
101	A-6050-525-A	s	HEAD DRUM ASSY (DBH-04A-R)
102	A-6050-655-A	s	BRUSH ASSY
103	A-6736-072-A	o	HEAD ASSY, ATAC
104	A-6736-073-B	o	HEAD ASSY, CTL
105	A-6742-060-D	s	TENSION REGULATOR ASSY
106	A-6746-023-A	s	GUIDE ASSY, ENTRANCE
107	A-6746-024-A	s	GUIDE ASSY, EXIT
108	A-6759-147-A	o	SHIELD ASSY, CAPSTAN
109	A-6762-334-A	s	DRUM ASSY, UPPER, ROTARY (DBR-04-R)
110	X-3675-851-0	s	ROLLER ASSY, TR
111	A-6050-657-A	s	RING ASSY, SLIP
112	1-570-816-11	s	SWITCH, REED
113	1-586-633-00	s	DETECTOR, DEW
114	1-617-189-12	o	PRINTED CIRCUIT BOARD, SWC-3
115	2-618-901-00	s	SPRING
116	3-145-535-01	s	SCREW, HEAD
117	3-428-132-00	s	SPRING, COMPRESSION
118	3-535-346-00	s	SPRING, TENSION
119	3-564-121-00	s	SPRING, COMPRESSION
120	3-643-451-00	s	SCREW, AZIMUTH ADJUSTMENT
121	3-653-350-00	s	SPRING, COMPRESSION
122	3-675-701-00	o	TERMINAL BOARD
123	3-675-702-00	o	WASHER, INSULATING
124	3-675-740-00	s	EXT TOOTH (W) (MIDDLE)
125	3-675-756-02	o	STOPPER (A), TAPE
126	3-675-757-01	o	TERMINAL, GROUND
127	3-676-013-00	o	SUPPORT (A), AU HEAD
128	3-676-188-00	o	STOPPER, TENSION REGULATOR
129	3-676-177-00	o	SHAFT, CG
130	3-676-208-00	o	PLATE, SINK
131	3-677-752-00	s	NUT, ADJUSTMENT, T
132	3-682-953-02	s	RETAINER, T
133	3-687-139-01	o	BASE, CTL HEAD
134	3-687-140-01	o	BRACKET, CTL HEAD
135	3-687-141-01	o	BRACKET, FE HEAD
136	3-687-142-01	o	SPACER, CTL HEAD
137	3-687-143-01	o	SCREW (M2.6x9.4), HEAD CLAMP
138	3-698-732-01	o	SUPPORT (B), AU HEAD
139	3-698-750-01	o	ADJUSTOR, Y
140	3-699-218-01	o	HOLDER, L-SW
141	3-699-219-02	o	BRACKET, MAGNET
142	3-699-284-01	s	SPRING, TENSION
143	3-701-439-01	s	WASHER, POLY 3 MM DIA., 0.13T
145	3-703-502-01	s	SCREW, 1.4 x 1.6
146	3-703-502-41	s	SCREW, 1.4 x 3.5
147	3-717-120-01	s	SPACER, FLANGE
148	3-717-120-11	s	SPACER, FLANGE
149	3-717-120-21	s	SPACER, FLANGE
150	3-717-120-31	s	SPACER, FLANGE
151	3-719-124-01	o	BRACKET (1), AT HEAD
152	3-719-125-01	o	BRACKET (2), AT HEAD
153	3-719-126-01	o	PLATE (A), SHIELD, AT
154	3-719-127-01	o	PLATE (B), SHIELD, AT
155	3-719-212-01	o	DRUM COVER
156	8-825-554-83	s	HEAD, CTL (PS244-21B)
157	8-825-623-31	s	HEAD, ATAC (EPS244-2103C)
158	8-825-770-72	s	HEAD, FE (EF291-21)
159	8-835-261-01	s	MOTOR, DC (BHF-1920A)
160	3-719-238-01	o	PLATE (B), SHIELD, EJ
161	X-3717-113-2	s	PULLEY ASSY, DRUM
162	3-676-137-02	s	FLANGE, TAPE ROLLER

THREADING RING, MOTORS, SWITCH

THREADING RING, MOTORS, SWITCH

Threading Ring, Motors and Switch Blocks



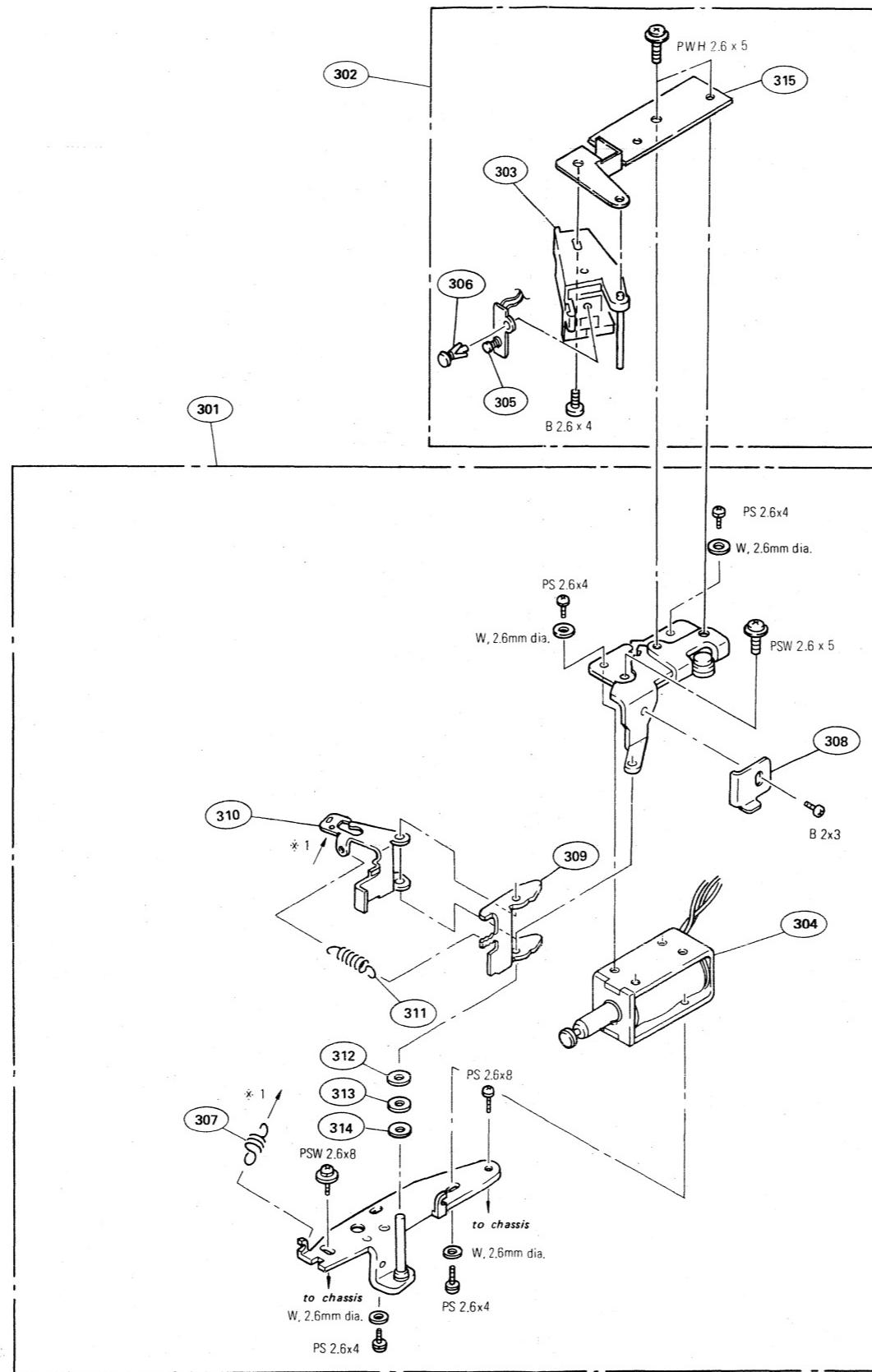
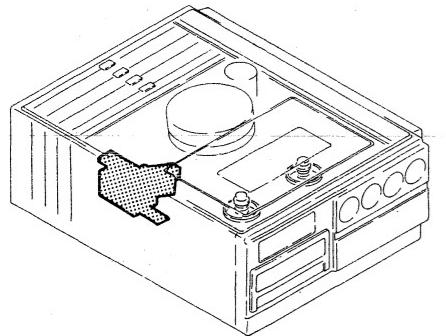
BVW-35P(1)

No.	Part No.	SP	Description
201	A-6737-186-B	s	MOTOR ASSY, DRUM
202	X-3676-003-0	s	ARM ASSY
203	X-3676-006-0	o	SHAFT ASSY, RING ROLLER
204	X-3676-007-0	o	PLATE ASSY, RG
205	X-3676-008-0	o	PLATE ASSY, ADJUSTMENT, ROLLER
206	X-3676-016-0	s	ROD ASSY, PULL
207	X-3676-031-4	s	PINCH ARM ASSY
208	X-3676-055-5	s	RING SUB ASSY, THREADING
209	1-543-211-21	s	HEAD, SENSING (SMALL TYPE)
210	1-553-650-11	s	SWITCH, MICRO
211	1-611-120-11	o	PRINTED CIRCUIT BOARD, SW-24
212	2-279-715-01	s	RIVET, NYLON
213	3-573-964-00	s	SPRING, COMPRESSION
214	3-676-012-00	s	LEVER, SWITCH, UNTHREADING
215	3-676-034-00	o	STOPPER (B), RING
216	3-676-181-00	o	STOPPER (A), RING
217	3-676-228-00	o	SHAFT, ARM, UNTHREADING
218	3-676-301-00	s	PLATE, CORRECTION, SLANT GUIDE
219	3-676-304-00	s	SPRING
220	3-676-311-00	s	BASE, UNTHREADING SWITCH
221	3-676-312-00	o	GUIDE, PINCH ROLLER
222	3-682-848-00	o	ADJUSTOR, T SENSOR
223	3-682-849-00	o	HOLDER, T SENSOR
224	3-701-436-01	s	WASHER, POLY 1.6 MM DIA., 0.13T
225	3-701-436-11	s	WASHER, POLY 1.6 MM DIA., 0.25T
226	3-701-436-21	s	WASHER, POLY 1.6 MM DIA., 0.50T
227	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T
228	8-835-159-01	s	MOTOR, DC (SP-0873)

PINCH PRESS MECHANISM, TAPE-END SENSOR

PINCH PRESS MECHANISM, TAPE-END SENSOR

Pinch Press Mechanism and Tape-end Sensor Blocks

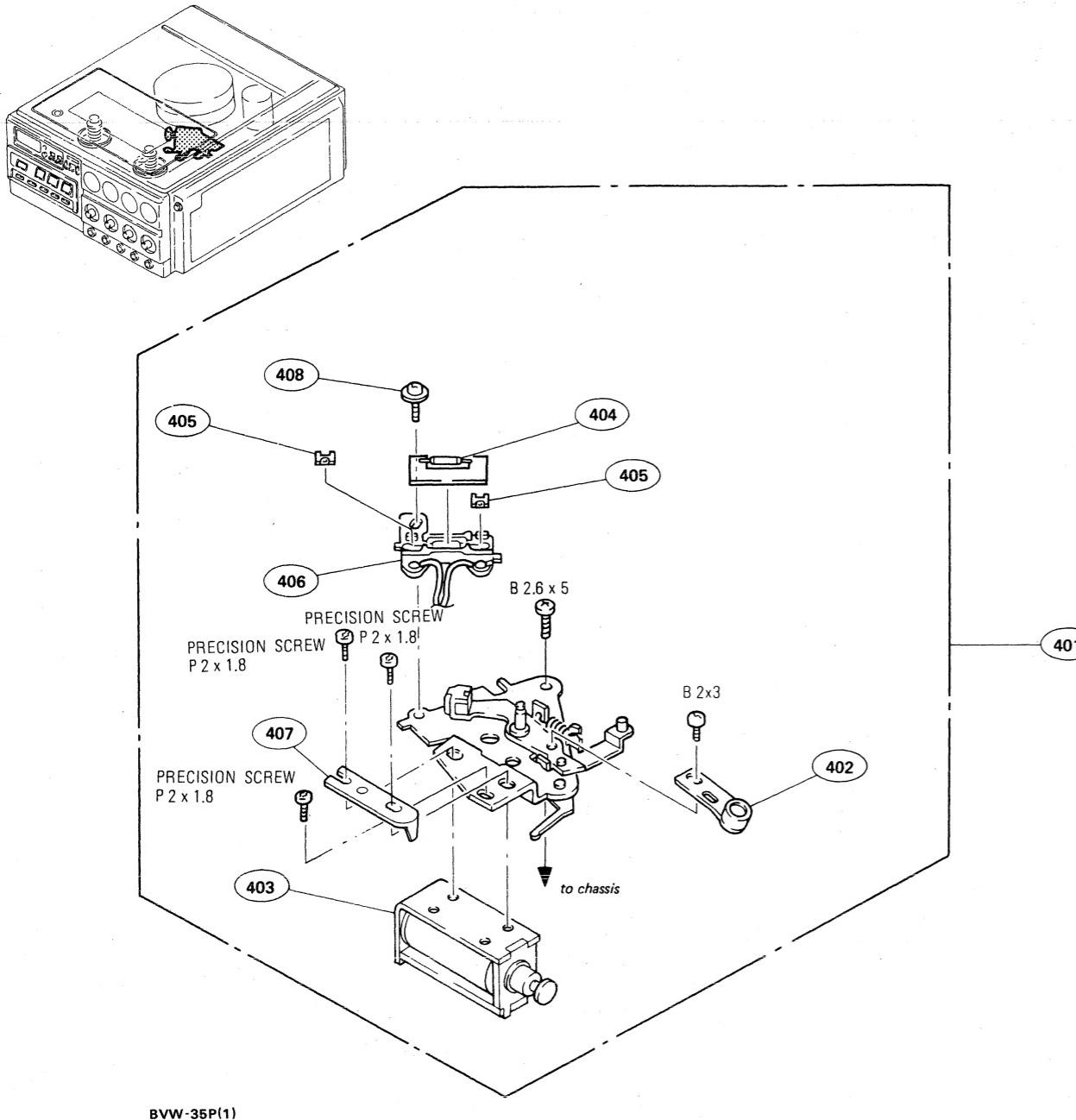


BVW-35P(1)

No.	Part No.	SP	Description
301	A-6749-120-B	s	PRESS ASSY, PINCH
302	A-6767-474-B	s	SENSOR ASSY, END
303	X-3719-112-1	o	BRACKET ASSY, END SENSOR
304	1-454-340-41	s	SOLENOID, PLUNGER
305	1-543-316-21	s	HEAD, SENSING (SMALL TYPE)
306	2-279-715-01	s	RIVET, NYLON
307	3-567-110-00	s	SPRING, TENSION
308	3-676-095-00	o	RETAINER, ARM
309	3-676-246-00	o	LEVER (A), PINCH PRESS
310	3-676-263-03	o	LEVER (B), PINCH PRESS
311	3-678-774-00	s	SPRING, TENSION
312	3-701-437-01	s	WASHER, POLY 2 MM DIA., 0.13T
313	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T
314	3-701-437-21	s	WASHER, POLY 2 MM DIA., 0.50T
315	3-719-128-02	o	BRACKET, SENSOR ASSY

RING STOPPER GEAR

Ring Stopper Assembly Block

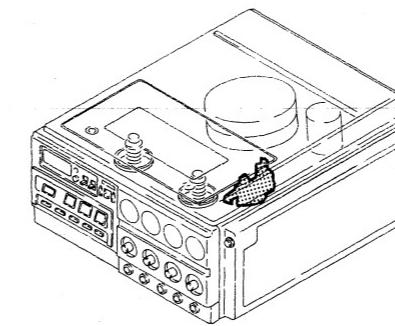


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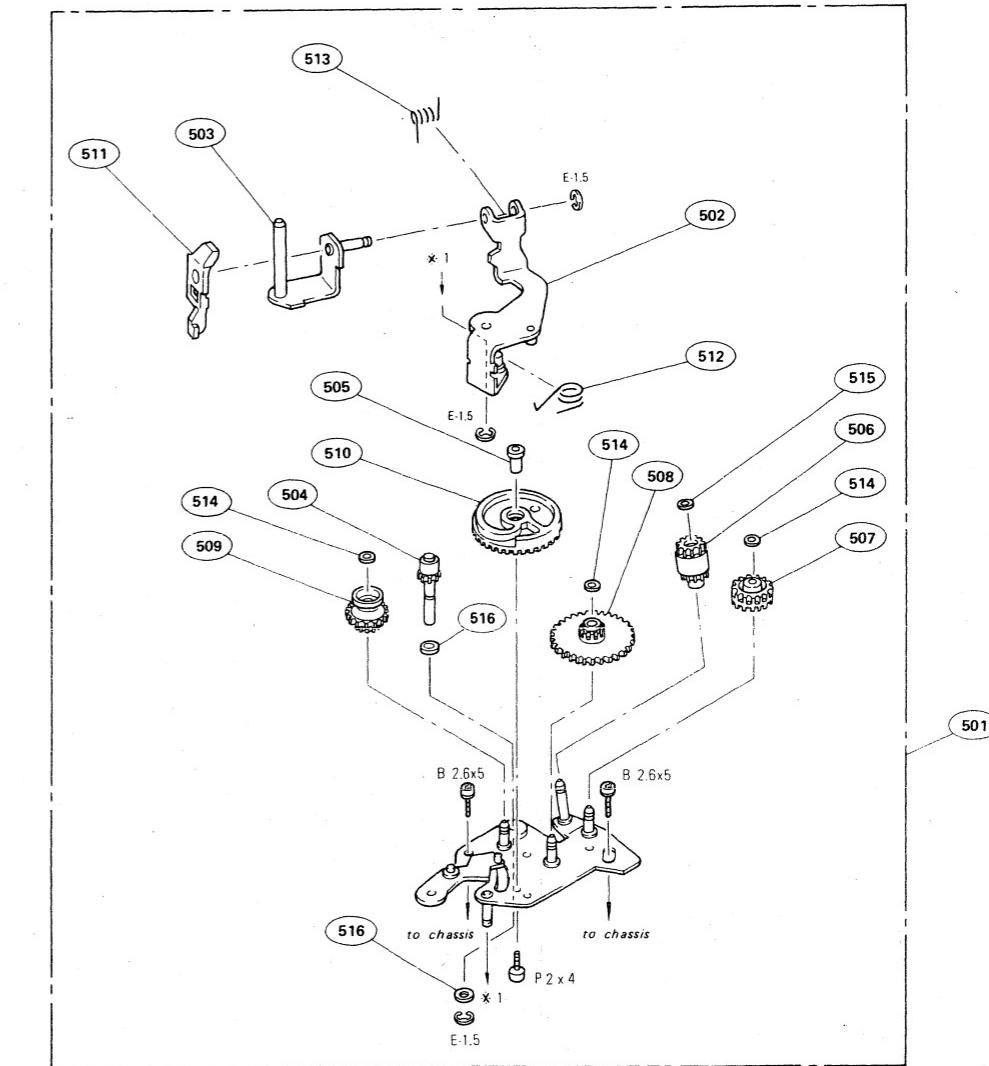
No. Part No. SP Description

401	A-6747-250-A	s	STOPPER ASSY, RING
402	X-3676-029-0	o	ARM (B) ASSY, STOPPER
403	1-454-360-21	s	SOLENOID, PLUNGER
404	1-570-816-11	s	SWITCH, REED
405	3-676-062-00	s	TERMINAL, SWITCH
406	3-676-255-00	s	HOLDER, SWITCH
407	3-682-972-01	o	SPRING
408	3-703-502-22	s	SCREW

Gear Assembly Block



No.	Part No.	SP	Description
501	A-6750-138-F	s	GEAR BLOCK ASSY
502	X-3676-038-2	o	ARM ASSY, PULL
503	X-3676-039-0	s	LINK ASSY, SLANT
504	X-3676-050-0	s	GEAR ASSY, MOTHER
505	3-676-133-00	o	SHAFT, CAM
506	3-676-156-00	s	GEAR, RING DRIVE
507	3-676-157-00	s	GEAR, TRANSFER
508	3-676-160-00	s	GEAR, DECELERATION
509	3-676-167-00	s	PULLEY, EJECT
510	3-676-260-00	s	CAM, DRAWER
511	3-676-306-04	o	TRAVELER, TAPE
512	3-676-308-00	o	SPRING
513	3-676-309-03	o	SPRING
514	3-676-387-00	s	POLY-SLIDER (DIA.1.6)
515	3-701-436-11	s	WASHER, POLY 1.6 MM DIA., 0.25T
516	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T

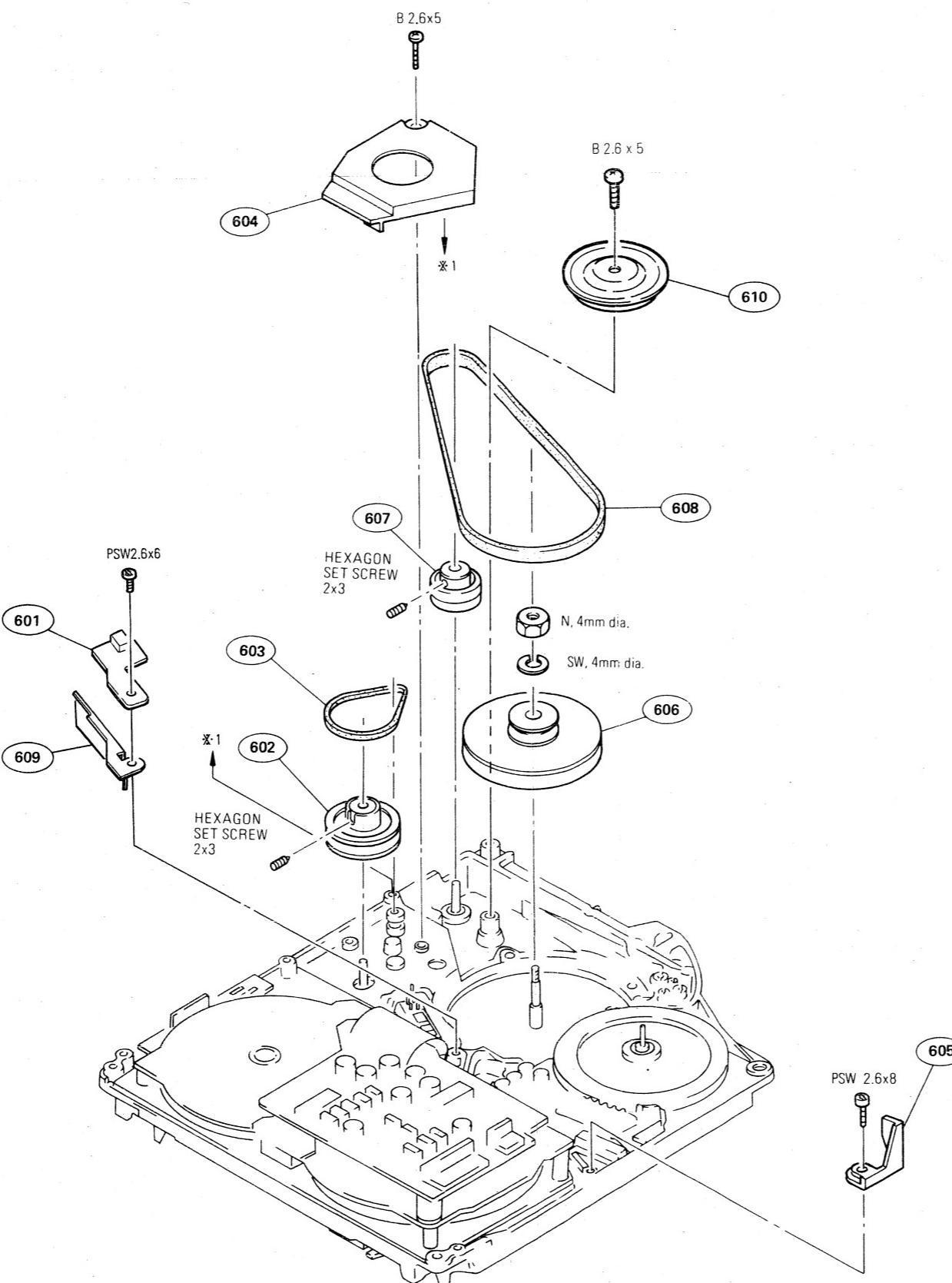
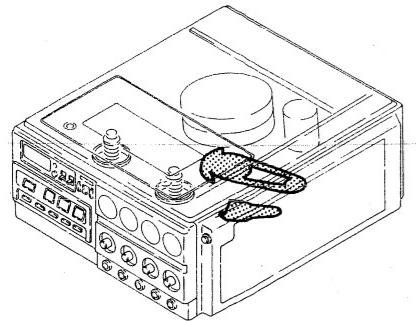


BVW-35P(1)

REEL CHASSIS (BACK SIDE)

REEL CHASSIS (BACK SIDE)

Reel Chassis Block (Back Side)



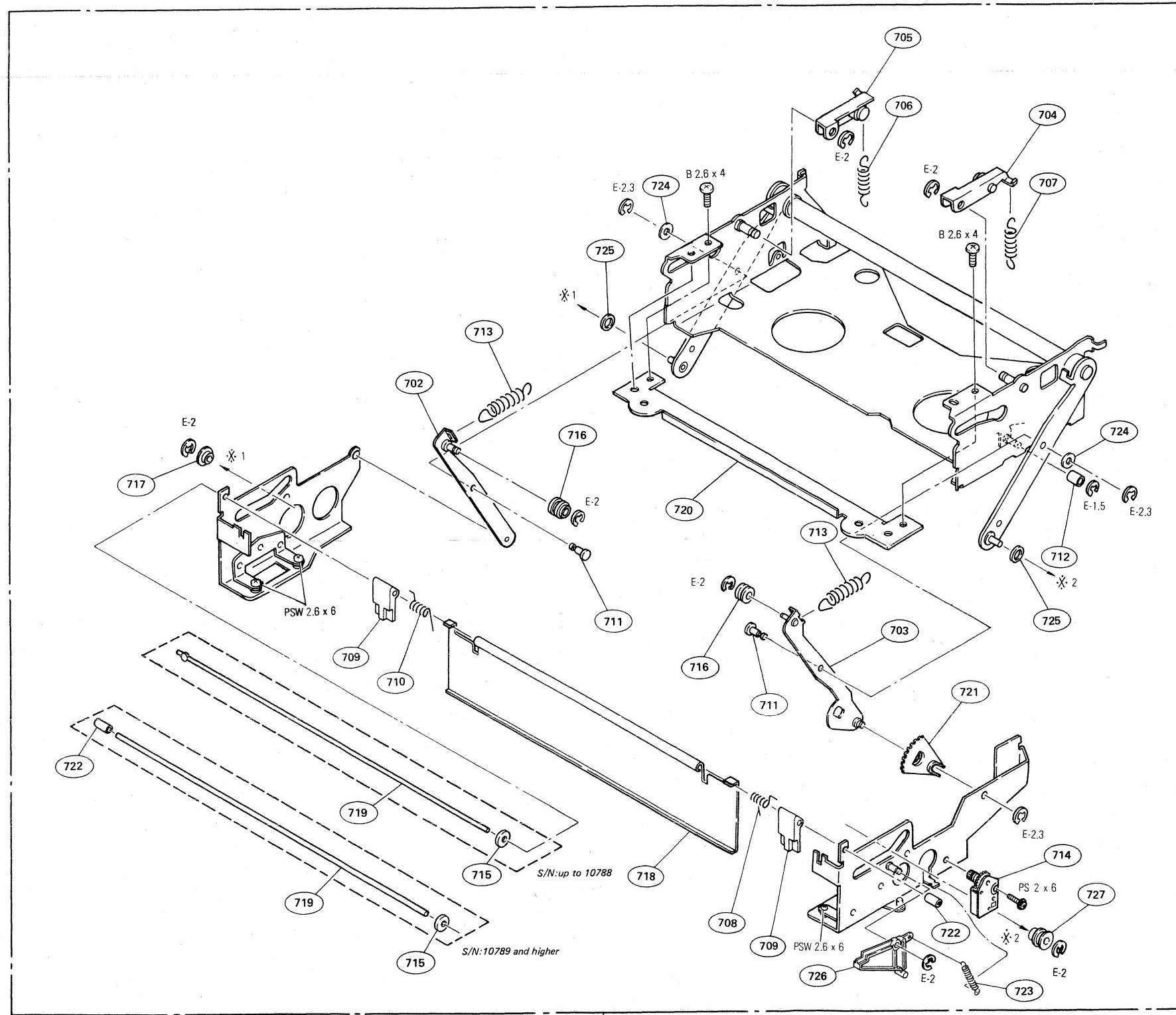
BVW-35P(1)

No. Part No. SP Description

601	1-623-354-12	o	PRINTED CIRCUIT BOARD, DS-23
602	3-676-166-00	s	PULLEY, DECELERATION
603	3-676-303-00	s	BELT, T.H MOTOR
604	3-676-381-00	o	COVER, T PULLEY
605	3-682-902-02	o	STOPPER, CAPSTAN
606	X-3717-113-1	o	PULLEY ASSY, DRUM
607	3-719-122-02	s	PULLEY, D MOTOR
608	3-719-123-01	s	BELT, DRUM
609	3-719-137-01	o	PLATE, SHIELD, EJ
610	3-719-211-01	o	RETAINER, BELT

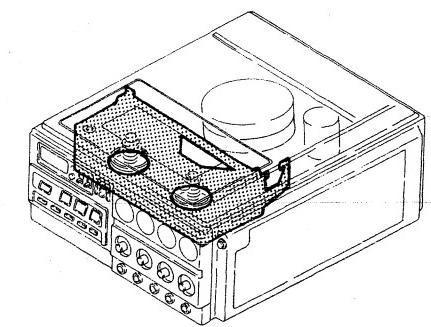
CASSETTE-UP COMPARTMENT CASSETTE-UP COMPARTMENT

Cassette-up Compartment Block



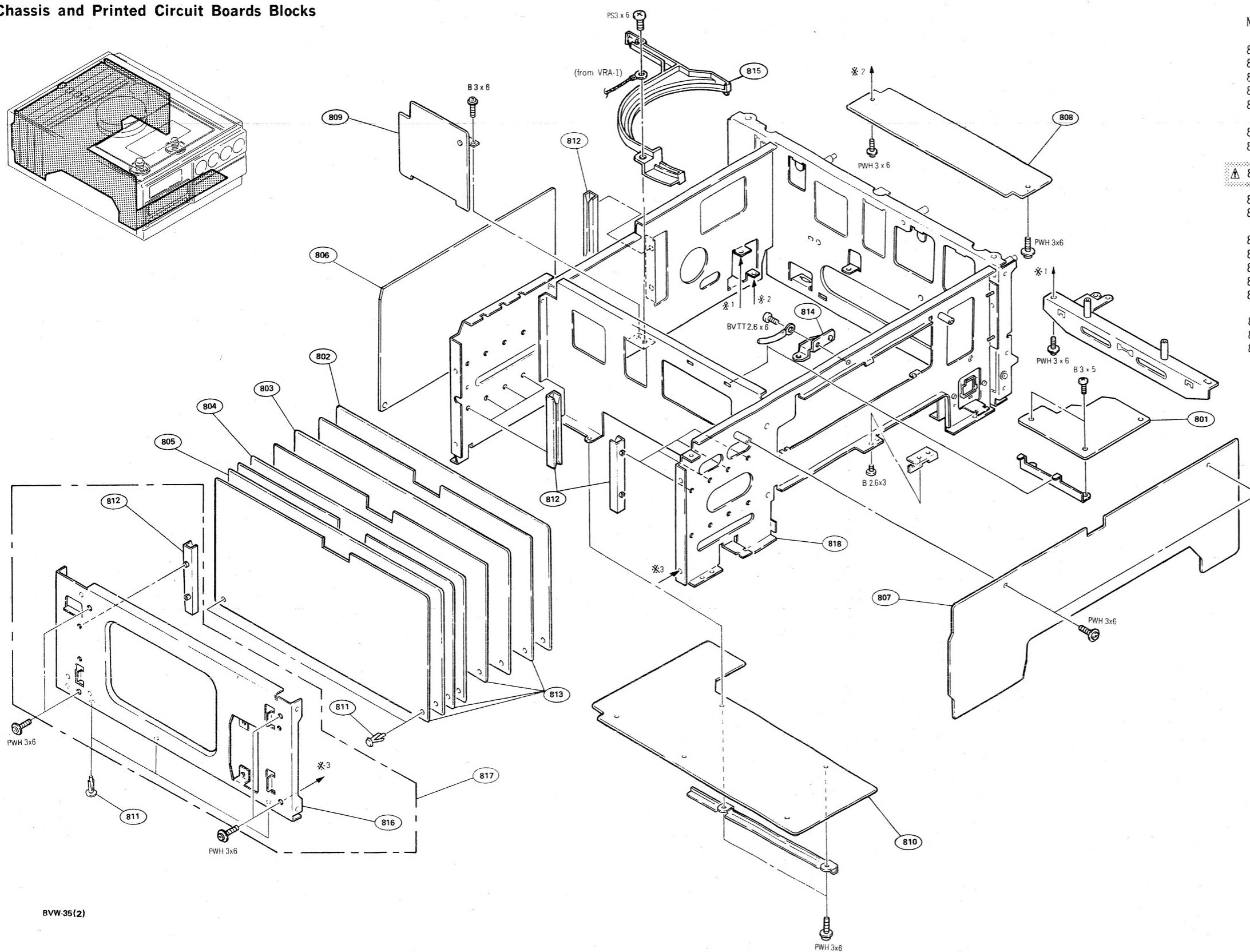
BVW-35P(1)

701



No.	Part No.	SP	Description
701	A-6751-371-E	s	CASSETTE-UP COMPARTMENT ASSY
702	X-3719-106-1	o	ARM (A) (LEFT) ASSY
703	X-3719-107-1	o	ARM (A) (RIGHT) ASSY
704	X-3719-137-1	o	LEVER (RIGHT) ASSY, RETAINER
705	X-3719-138-1	o	LEVER (LEFT) ASSY, RETAINER
706	3-567-029-00	s	SPRING, TENSION
707	3-670-169-00	s	SPRING, TENSION
708	3-676-065-00	o	SPRING, TORSION
709	3-676-068-00	o	GUIDE, CASSETTE
710	3-676-069-00	o	SPRING, TORSION
711	3-676-148-03	o	SHAFT, ARM, CASSETTE COMPARTMENT
712	3-676-221-00	s	ROLLER, LOCK
713	3-678-787-00	o	SPRING, TENSION
714	3-681-528-00	o	DAMPER
715	3-701-436-11	s	WASHER, POLY 1.6MM DIA., 0.25T
716	3-719-111-01	s	ROLLER
717	3-719-112-01	s	ROLLER (B)
718	3-719-113-01	o	SHUTTER
719	3-719-114-03	o	SHAFT, SHUTTER
720	3-719-216-01	o	STAY, CASSETTE COMPARTMENT
721	3-719-215-01	o	GEAR, DAMPER
722	4-866-397-00	s	CUSHION, LED
723	3-542-481-00	s	SPRING, TENSION
724	3-701-439-11	s	WASHER, POLY 3MM DIA., 0.25T
725	3-701-442-21	s	WASHER, POLY 4.5MM DIA., 0.50T
726	3-719-235-01	s	STOPPER, CASSETTE-UP COMPARTMENT
727	3-719-233-01	s	ROLLER (C)

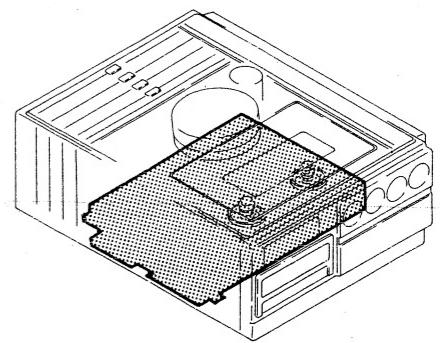
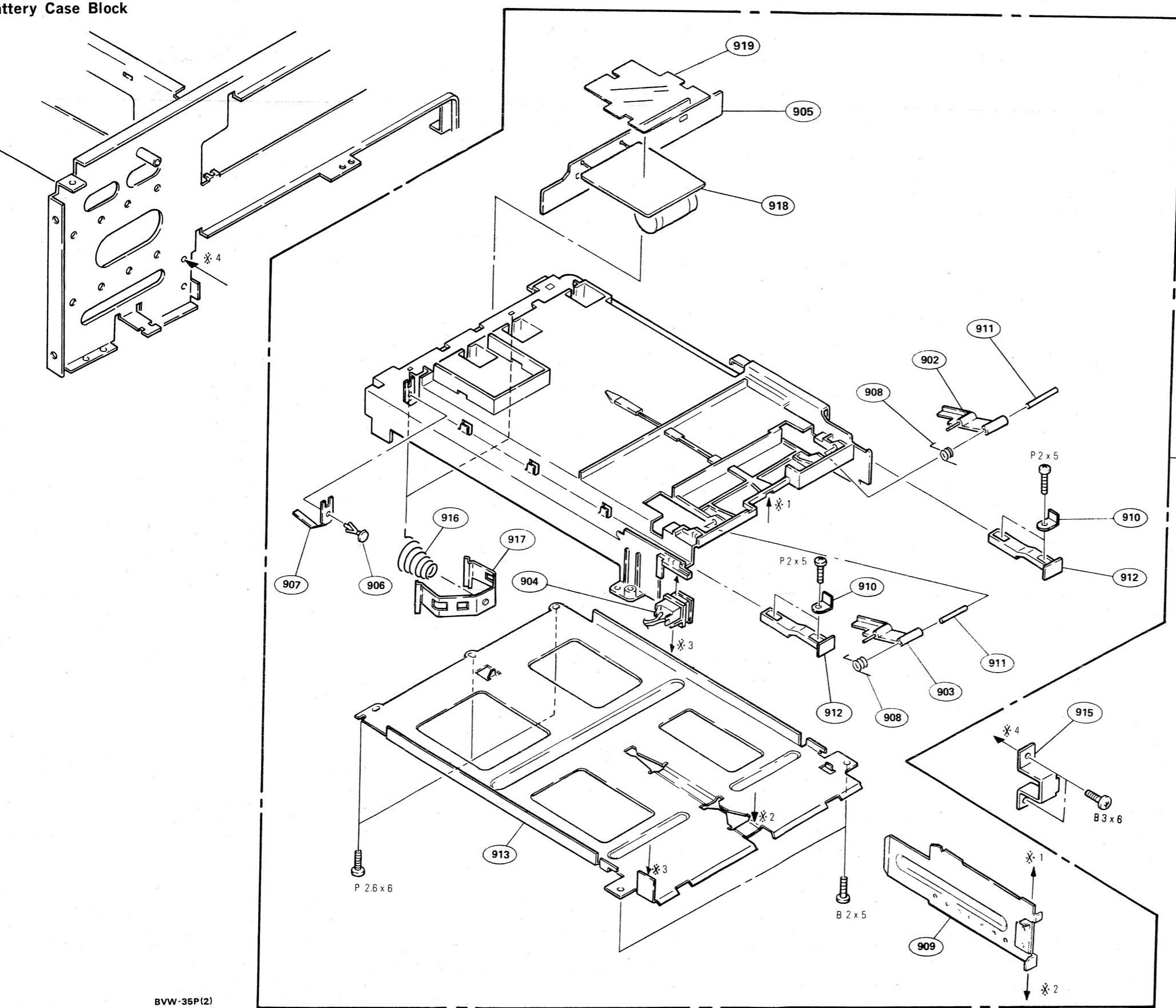
Chassis and Printed Circuit Boards Blocks



No.	Part No.	SP	Description
801	A-6711-831-B	o	MOOUNTED CIRCUIT BOARD, VRA-1
802	A-6711-866-A	o	MOOUNTED CIRCUIT BOARD, MDM-3P
803	A-6711-867-B	o	MOOUNTED CIRCUIT BOARD, ENC-6P
804	A-6711-868-A	o	MOOUNTED CIRCUIT BOARD, CEC-3P
805	A-6711-869-A	o	MOOUNTED CIRCUIT BOARD, DEC-30
806	A-6713-326-A	o	MOOUNTED CIRCUIT BOARD, AU-93P
807	A-6715-380-A	o	MOOUNTED CIRCUIT BOARD, SV-94P
808	A-6715-381-A	o	MOOUNTED CIRCUIT BOARD, SD-16P
809	A-6725-580-A	o	MOOUNTED CIRCUIT BOARD, TC-45P
810	A-6729-537-A	o	MOOUNTED CIRCUIT BOARD, MB-157
811	3-531-576-11	s	RIVET
812	3-673-676-01	o	RAIL, GUIDE, CHASSIS
813	3-698-748-01	o	SHEET, INSULATING
814	3-713-814-01	o	PLATE, INDICATION, VRA
815	3-719-243-01	o	GUARD, TAPE
816	3-698-769-01	o	PANEL, REAR
817	A-6730-856-A	o	PANEL ASSY, REAR
818	X-3698-721-7	o	PLATE SUB ASSY SIDE, LEFT

BATTERY CASE BATTERY CASE

Battery Case Block

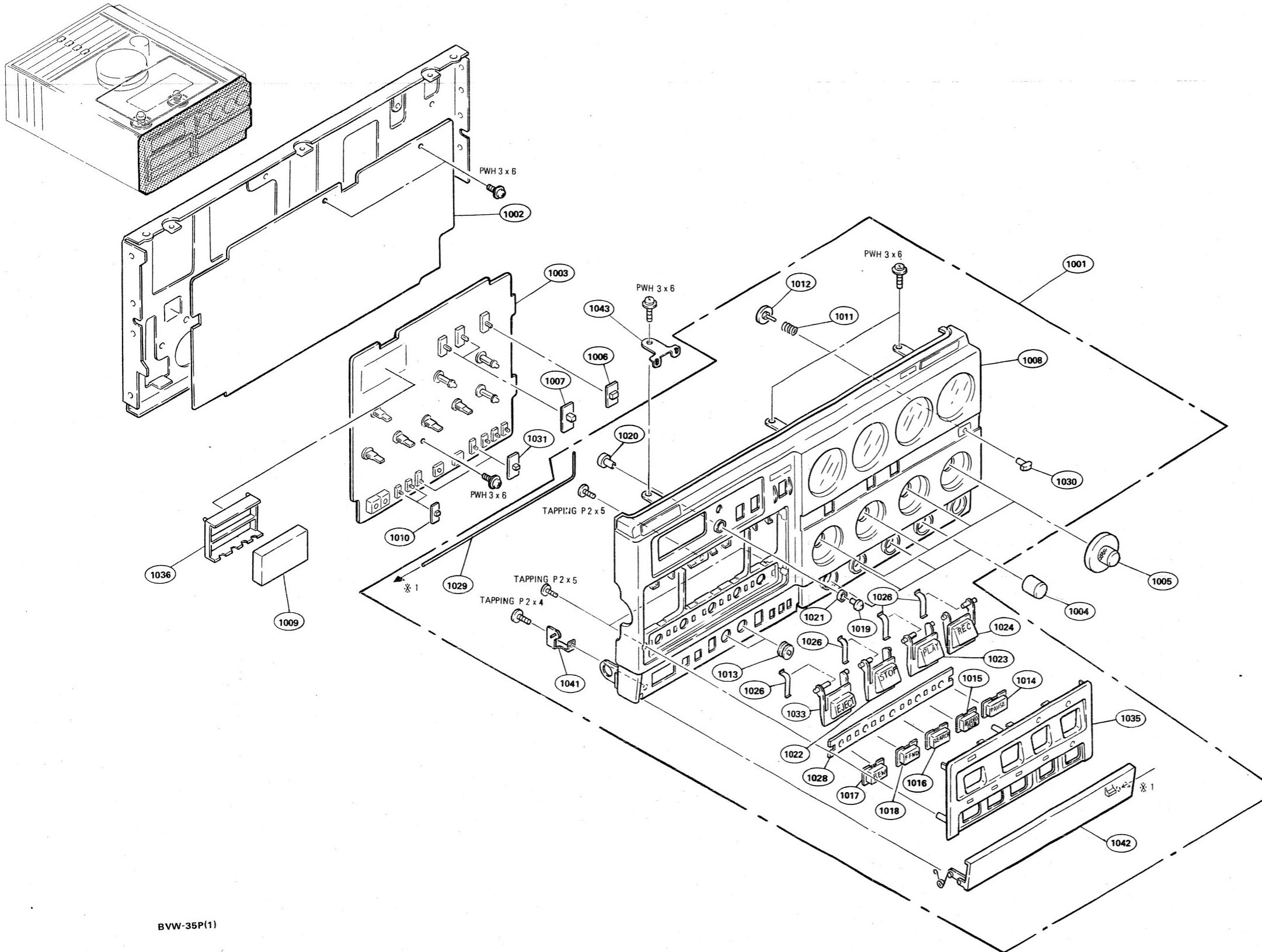


No.	Part No.	SP	Description
901	A-6771-170-A	o	CASE ASSY, BATTERY
902	X-3698-716-2	o	ARM ASSY (LEFT), LOCK
903	X-3698-717-2	o	ARM ASSY (RIGHT), LOCK
904	I-507-905-00	s	JACK, DC
905	I-622-898-12	o	PRINTED CIRCUIT BOARD, BC-14
906	2-279-715-01	s	RIVET, NYLON
907	3-698-710-02	s	CONTACT
908	3-698-717-01	s	SPRING
909	3-698-718-01	o	PARTITION
910	3-698-719-01	o	RETAINER
911	3-698-720-01	o	SHAFT (2x29)
912	3-698-75G-02	s	BUTTON, RELEASE
913	3-698-76G-02	o	PLATE, BOTTOM, B
915	3-719-138-01	o	RETAINER, CN
916	3-719-183-01	o	SPRING, COMPRESSION
917	3-719-184-01	o	COVER, SPRING
918	I-631-613-11	o	PRINTED CIRCUIT BOARD, BC-17
919	3-719-254-01	o	SHEET, INSULATING, BC-17

BVW-35P(2)

FRONT PANEL

Front Panel Block

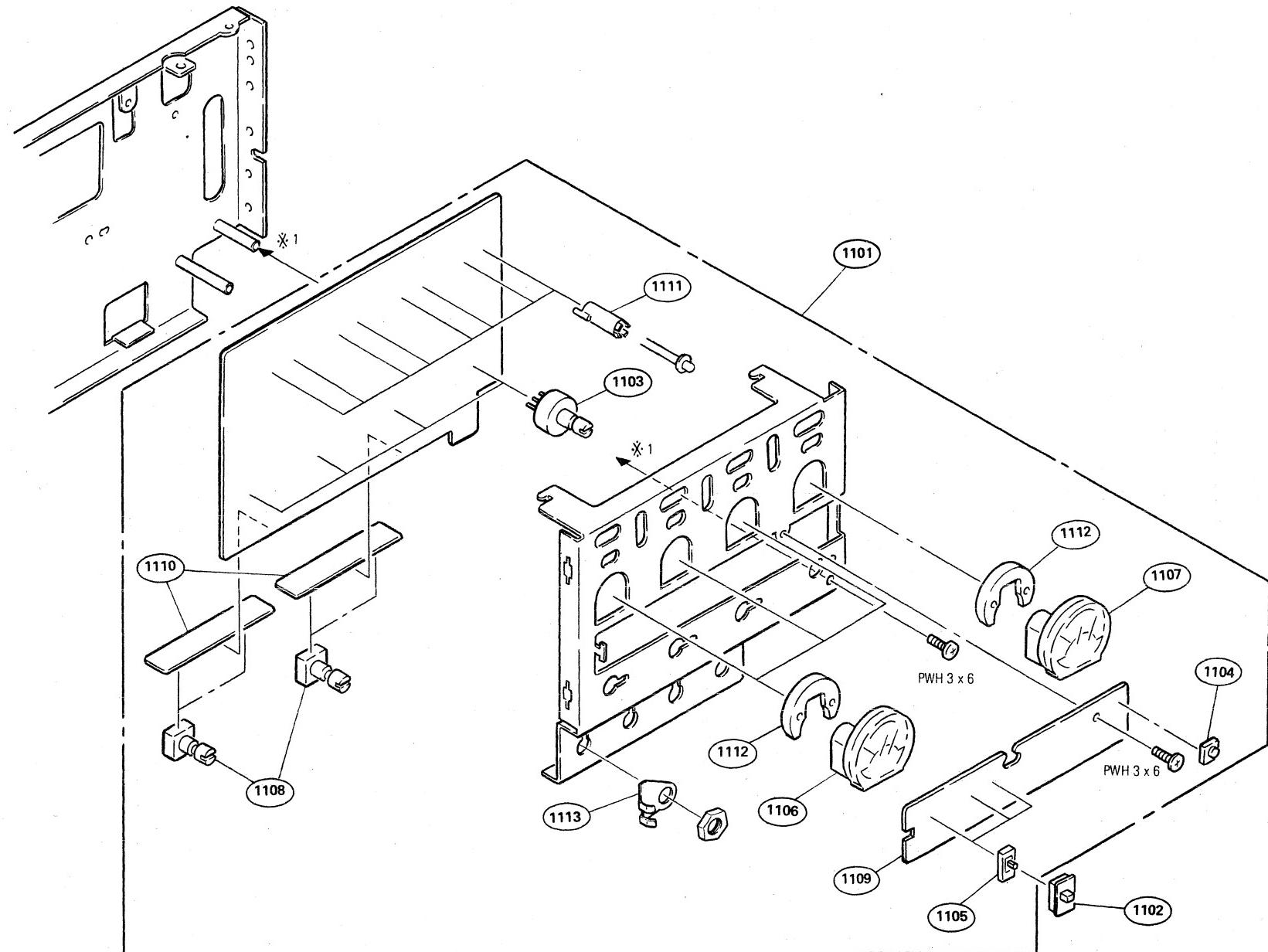
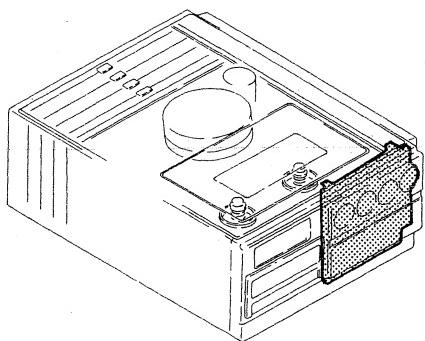


BVW-35P(1)

No.	Part No.	SP	Description
1001	A-6704-285-A	o	PANEL ASSY (P), FRONT
1002	A-6717-462-A	o	MOUNTED CIRCUIT BOARD, SY-110
1003	A-6717-467-A	o	MOUNTED CIRCUIT BOARD, KY-110P
1004	X-3664-208-0	s	KNOB ASSY, FADE
1005	X-3698-702-1	s	KNOB ASSY, VOLUME
1006	X-3719-113-1	s	KNOB ASSY
1007	X-3719-115-1	s	KNOB ASSY (3 POSI)
1008	X-3719-139-1	o	PANEL SUB ASSY (P), FRONT
1009	1-807-981-11	s	DISPLAY PANEL, LIQUID CRYSTAL
1010	2-357-042-01	s	KNOB, SW
1011	3-567-063-00	s	SPRING, COMPRESSION
1012	3-668-009-02	s	PIN, PUSH BUTTON
1013	3-676-244-11	s	COVER, SW
1014	3-686-076-31	s	KEY TOP (B) (PAUSE)
1015	3-686-077-31	s	KEY TOP (A) (AUDIO DUB)
1016	3-686-077-41	s	KEY TOP (A) (SEARCH)
1017	3-686-077-51	s	KEY TOP (A) (REW)
1018	3-686-077-61	s	KEY TOP (A) (F FWD)
1019	3-686-084-01	s	PUSH BUTTON
1020	3-686-085-01	s	PIN, PUSH BUTTON
1021	3-686-086-01	s	CUSHION, BUTTON
1022	3-694-781-21	s	BUTTON (A) (STOP)
1023	3-694-781-31	s	BUTTON (A) (PLAY)
1024	3-694-782-11	s	BUTTON (B) (REC)
1026	3-719-148-01	o	SPRING
1027	3-719-149-01	o	SPRING
1028	3-719-150-01	o	CUSHION, KEY
1029	3-719-151-01	o	SHAFT, TC COVER
1030	3-719-152-01	s	BUTTON, PUSH
1031	3-719-156-01	s	KNOB (3P), SW
1033	3-719-165-01	s	BUTTON (EJECT)
1035	3-719-174-01	o	ESCUTCHEON, KEY
1036	3-719-182-11	o	HOLDER, LCD
1041	X-3719-136-1	o	PLATE ASSY, TC SPRING
1042	X-3719-134-1	s	KNOB ASSY, TC
1043	X-3719-221-01	o	PLATE, GND (1)

METER PANEL METER PANEL

Meter Panel Block

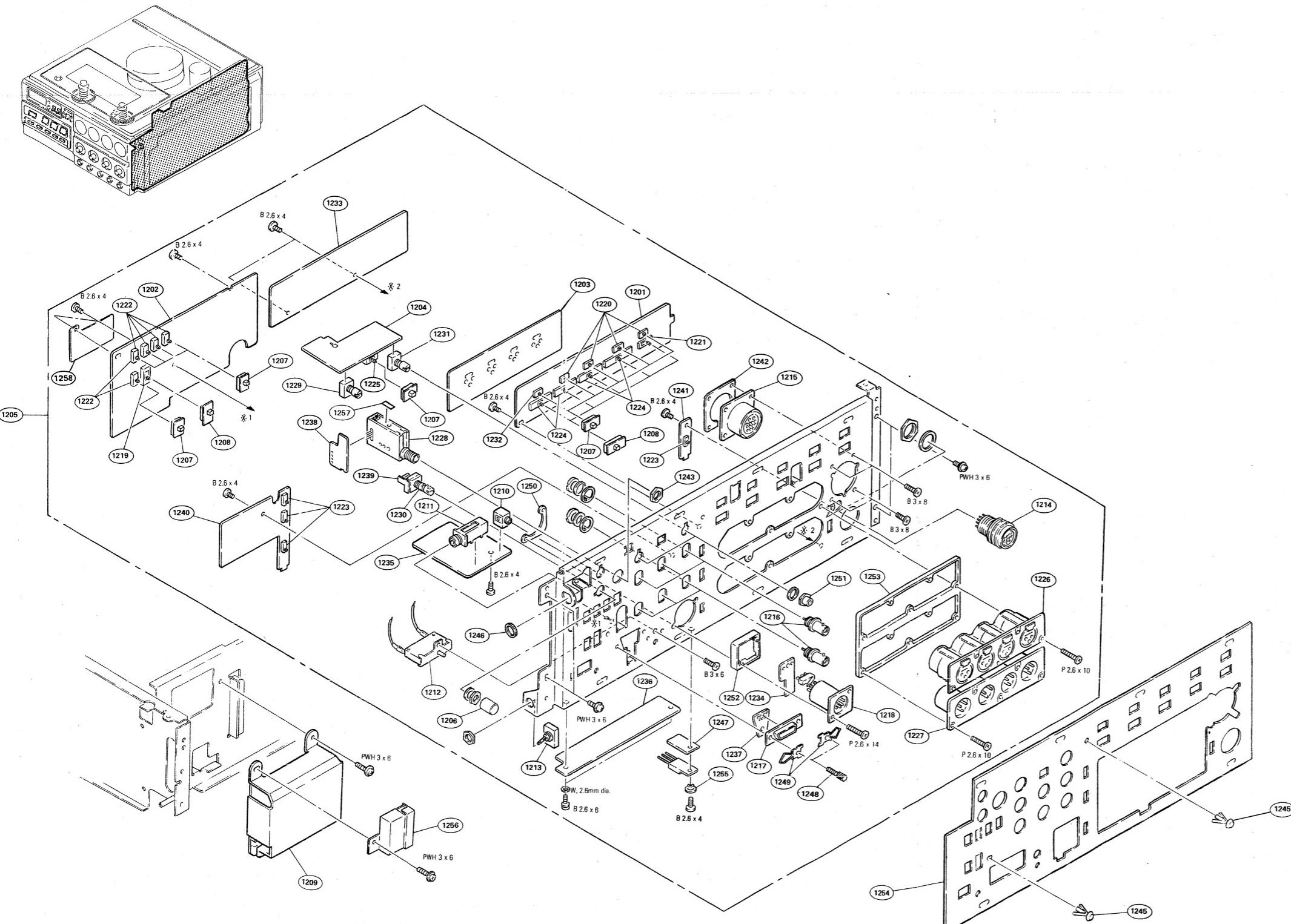


BVW-35P(1)

No. Part No. SP Description

1101	A-6731-154-A	o	PANEL ASSY, METER
1102	X-3719-114-1	s	KNOB ASSY (2 POS)
1103	I-237-077-11	s	RES, VAR, CARBON 10K
1104	I-554-303-21	s	SWITCH, KEY BOARD
1105	I-570-857-11	s	SWITCH, SLIDE
1106	I-520-495-11	s	METER, LEVEL
1107	I-520-495-31	s	METER, LEVEL (A.V.B.)
1108	I-237-790-21	s	RES, VAR, CARBON 10K
1109	I-622-890-13	o	PRINTED CIRCUIT BOARD, ASW-7
1110	I-623-217-12	o	PRINTED CIRCUIT BOARD, VR-64
1111	3-697-607-11	o	HOLDER (SU), LED
1112	3-719-133-01	o	CUSHION, METER
1113	3-719-222-01	o	PLATE, GND (1)

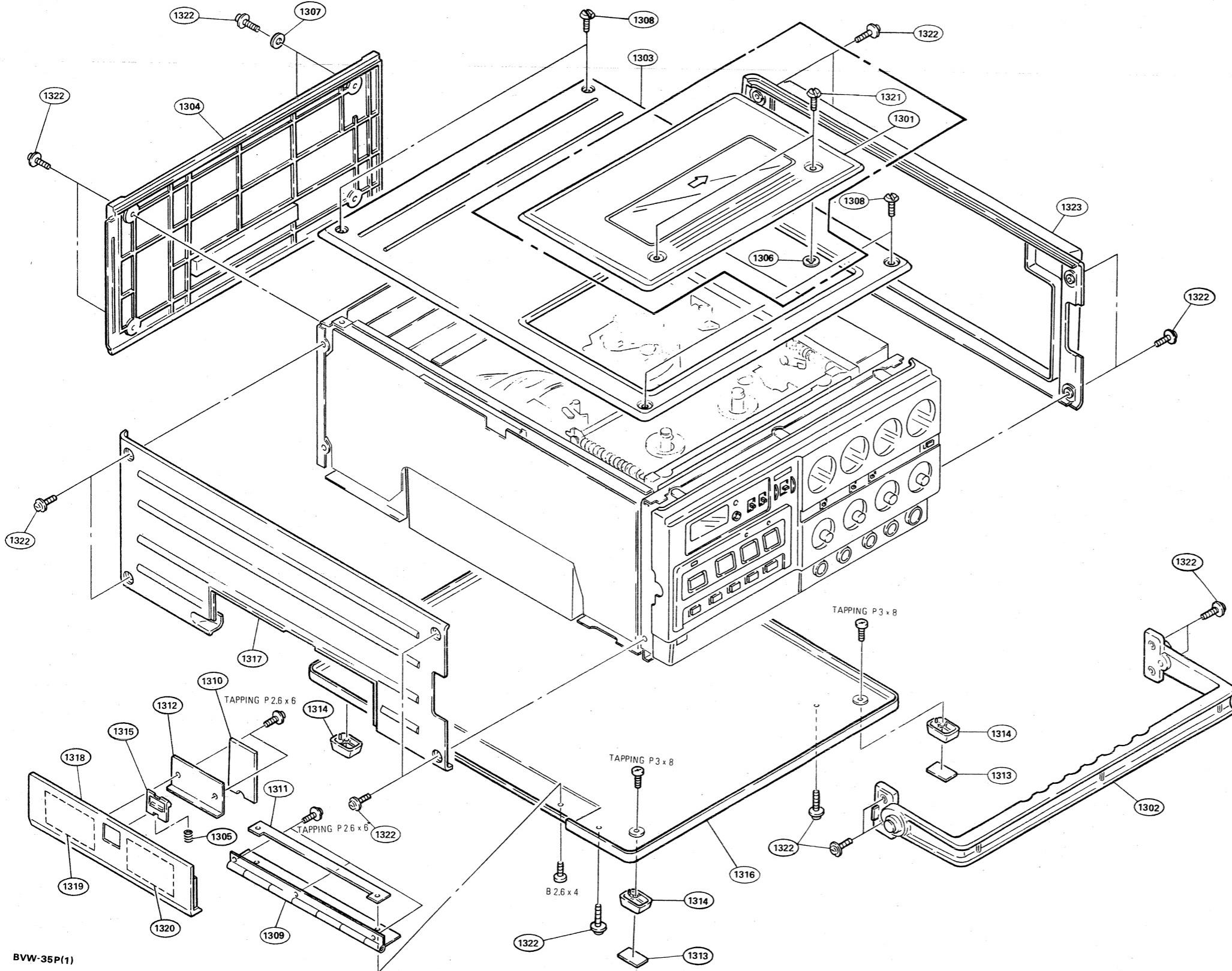
Connector Panel and DC-DC Converter Blocks



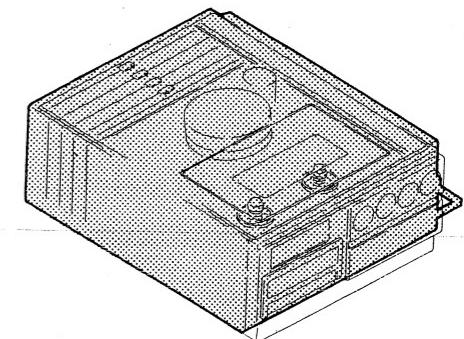
No.	Part No.	SP	Description
1201	A-6713-294-A	o	MONTEC CIRCUIT BOARD, MA-28
1202	A-6713-295-A	o	MONTEC CIRCUIT BOARD, MS-22
1203	A-6713-296-A	o	MONTEC CIRCUIT BOARD, CP-114
1204	A-6725-576-A	o	MONTEC CIRCUIT BOARD, BF-29
1205	A-6732-329-B	o	PANEL ASSY, CONNECTOR
1206	X-3682-814-0	s	KNOB ASSY, CONTROL
1207	X-3719-114-1	s	KNOB ASSY (2 POSI)
1208	X-3719-115-1	s	KNOB ASSY (3 POSI)
1209	1-464-809-11	s	CONVERTER, DC-DC (CD-73)
1210	1-507-743-00	s	JACK, STEREO MINIATURE
1211	1-507-863-31	s	JACK, LARGE TYPE
1212	1-532-525-31	s	△ BREAKER, CIRCUIT
1213	I-552-504-00	s	SWITCH, POWER
1214	I-562-160-00	o	CONNECTOR, (R-F) 12P
1215	I-562-245-00	o	CONNECTOR, 26P
1216	I-562-382-00	s	CONNECTOR, BNC
1217	I-563-890-11	s	SOCKET, D-SUB CONNECTOR 9P
1218	I-564-603-11	s	CONNECTOR (WITH DC SW) 4P
1219	I-570-832-11	s	SWITCH, SLIDE
1220	I-570-839-11	s	SWITCH, SLIDE
1221	I-570-850-11	s	SWITCH, SLIDE
1222	I-570-856-11	s	SWITCH, SLIDE
1223	I-570-857-11	s	SWITCH, SLIDE
1224	I-571-087-11	s	SWITCH, SLIDE
1225	I-571-098-11	s	SWITCH, SLIDE
1226	I-566-616-11	s	4P XLR CONNECTOR (F)
1227	I-566-617-11	s	4P XLR CONNECTOR (M)
1228	I-464-718-21	s	RF MODULATOR (RFU-856)
1229	I-237-764-11	s	RES, VAR, CARBON 10K
1230	I-237-790-11	s	RES, VAR, CARBON 10K
1231	I-237-763-11	s	RES, VAR, CARBON 5K
1232	I-571-217-11	s	SWITCH, SLIDE 4-2
1233	I-622-905-15	o	PRINTED CIRCUIT BOARD, CN-185
1234	I-622-907-12	o	PRINTED CIRCUIT BOARD, DC-35
1235	I-622-908-12	o	PRINTED CIRCUIT BOARD, HP-36
1236	I-622-909-16	o	PRINTED CIRCUIT BOARD, PSW-8
1237	I-622-910-11	o	PRINTED CIRCUIT BOARD, RM-54
1238	I-622-911-13	o	PRINTED CIRCUIT BOARD, RMD-1
1239	I-622-912-11	o	PRINTED CIRCUIT BOARD, VR-63
1240	I-622-913-13	o	PRINTED CIRCUIT BOARD, CON-12
1241	I-622-914-12	o	PRINTED CIRCUIT BOARD, MTS-2
1242	2-090-229-00	s	NUT, PLATE
1243	2-250-557-00	s	NUT, SPECIAL, M6
1245	3-531-576-11	s	RIVET
1246	3-539-867-00	s	NUT, ROUND JACK
1247	3-660-978-00	s	SHEET, HEAT RESISTING
1248	3-668-459-11	o	SCREW, CONNECTOR
1249	3-668-460-00	o	SPRING
1250	3-676-380-00	o	NUT (XLR), PLATE
1251	3-698-777-01	o	FRAME, VR
1252	3-698-788-01	o	SPACER (SMALL), XLR
1253	3-719-139-01	o	SPACER, XLR
1254	3-719-175-21	o	PLATE, ORNAMENTAL, CP
1255	4-026-252-00	o	WASHER, INSULATING
1256	1-464-858-12	s	DC-DC CONVERTER
1257	3-719-225-01	o	LABEL, RF MODULATOR
1258	3-719-240-01	o	INSULATING SHEET, MS

ORNAMENTAL PANEL ORNAMENTAL PANEL

Ornamental Panel Block



BVW-35P(1)



No.	Part No.	SP	Description
1301	A-6703-665-A	s	LID ASSY, UPPER
1302	A-6703-666-A	o	HANDLE ASSY
1303	A-6704-210-E	o	PANEL ASSY, UPPER
1304	X-3719-119-1	o	CABINET (REAR) ASSY
1305	2-226-804-00	o	SPRING, COMPRESSION
1306	3-558-708-21	s	WASHER, STOPPER
1307	3-654-058-21	o	SPACER (3x2.5)
1308	3-676-089-03	s	SCREW, LID (4x9.5)
1309	3-698-721-01	o	HINGE
1310	3-698-722-01	o	CUSHION, B
1311	3-698-723-01	o	NUT, PLATE
1312	3-698-724-01	o	RETAINER, LID
1313	3-698-733-01	o	CUSHION
1314	3-698-746-01	o	LEG
1315	3-698-749-01	s	CLAW, LID LOCK
1316	3-698-771-01	o	PLATE, BOTTOM
1317	X-3719-144-3	o	CABINET ASSY, (LEFT)
1318	3-698-778-01	o	LID, BATTERY CASE
1319	3-699-240-02	o	LABEL (1), BATT
1320	3-699-241-01	o	LABEL (2), BATT
1321	3-719-158-01	s	SCREW (M3), LID
1322	3-719-159-01	s	SCREW (M3), (+ BW)
1323	3-719-178-01	o	CABINET (RIGHT)

16-3. ELECTRICAL PARTS LIST

ABBREVIATIONS

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

All resistors are in ohms.

General Purpose Electrical Parts List

Parts that are not listed in the "reference numbers order list" are shown in following list.
Reference numbers are omitted.

Part No. SP Description

CAPACITOR, CERAMIC, SBL

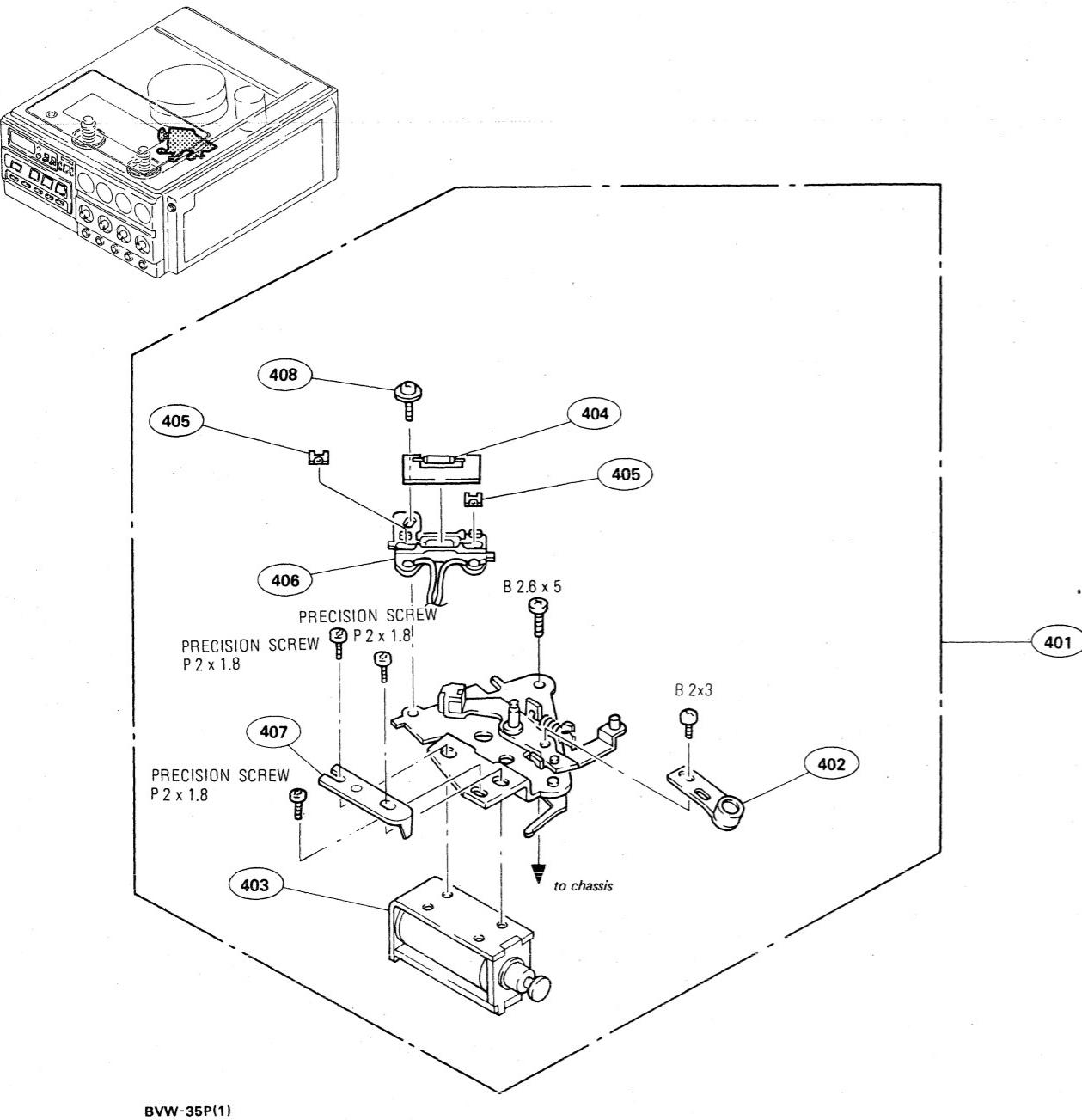
1-161-039-00	s CAP, CERAMIC 0.001 10% 50V
1-161-041-00	s CAP, CERAMIC 0.0015 10% 50V
1-161-043-00	s CAP, CERAMIC 0.0022 10% 50V
1-161-045-00	s CAP, CERAMIC 0.0033 10% 50V
1-161-047-00	s CAP, CERAMIC 0.0047 10% 50V
1-161-049-00	s CAP, CERAMIC 0.0068 10% 50V
1-161-051-00	s CAP, CERAMIC 0.01 10% 50V
1-161-053-00	s CAP, CERAMIC 0.015 10% 50V
1-161-055-00	s CAP, CERAMIC 0.022 10% 50V
1-161-057-00	s CAP, CERAMIC 0.033 10% 50V
1-161-021-11	s CAP, CERAMIC 0.047 10% 25V
1-161-059-00	s CAP, CERAMIC 0.047 10% 50V
1-161-061-00	s CAP, CERAMIC 0.068 10% 50V
1-161-772-11	s CAP, CERAMIC 0.1 10% 25V
1-161-063-00	s CAP, CERAMIC 0.1 10% 50V

1-124-463-11	s CAP, ELECT 0.1 20% 50V
1-124-464-11	s CAP, ELECT 0.22 20% 50V
1-124-252-11	s CAP, ELECT 0.33 20% 50V
1-124-465-21	s CAP, ELECT 0.47 20% 50V
1-124-438-11	s CAP, ELECT 1.0 20% 50V
1-124-257-11	s CAP, ELECT 2.2 20% 50V
1-124-258-11	s CAP, ELECT 3.3 20% 50V
1-124-245-11	s CAP, ELECT 4.7 20% 35V
1-124-259-11	s CAP, ELECT 4.7 20% 50V
1-124-462-11	s CAP, ELECT 10 20% 16V
1-124-247-11	s CAP, ELECT 10 20% 35V
1-124-261-11	s CAP, ELECT 10 20% 50V
1-124-222-11	s CAP, ELECT 22 20% 6.3V
1-124-234-11	s CAP, ELECT 22 20% 16V
1-124-248-11	s CAP, ELECT 22 20% 35V
1-124-431-11	s CAP, ELECT 33 20% 4V
1-124-229-11	s CAP, ELECT 33 20% 10V
1-124-242-11	s CAP, ELECT 33 20% 25V
1-124-224-11	s CAP, ELECT 47 20% 6.3V
1-124-236-11	s CAP, ELECT 47 20% 16V
1-124-584-11	s CAP, ELECT 100 20% 10V

Part No.	SP Description	Part No.	SP Description
CAPACITOR, ELECTROLYTIC			
1-163-083-00	s CAP, CHIP CERAMIC 1pF ±0.25pF 50V	1-163-085-00	s CAP, CHIP CERAMIC 2pF ±0.25pF 50V
CAPACITOR, CHIP CERAMIC			
1-163-087-00	s CAP, CHIP CERAMIC 4pF ±0.25pF 50V	1-163-089-00	s CAP, CHIP CERAMIC 6pF ±0.5pF 50V
1-163-091-00	s CAP, CHIP CERAMIC 8pF ±0.5pF 50V	1-163-093-00	s CAP, CHIP CERAMIC 10pF 5% 50V
1-163-113-00	s CAP, CHIP CERAMIC 15pF 5% 50V	1-163-117-00	s CAP, CHIP CERAMIC 100pF 5% 50V
1-163-121-00	s CAP, CHIP CERAMIC 150pF 5% 50V	1-163-125-00	s CAP, CHIP CERAMIC 220pF 5% 50V
1-163-129-00	s CAP, CHIP CERAMIC 330pF 5% 50V	1-163-133-00	s CAP, CHIP CERAMIC 68pF 5% 50V
1-163-137-00	s CAP, CHIP CERAMIC 680pF 5% 50V	1-163-137-00	s CAP, CHIP CERAMIC 470pF 5% 50V
1-163-141-00	s CAP, CHIP CERAMIC 1000pF 5% 50V	1-163-145-00	s CAP, CHIP CERAMIC 1500pF 10% 50V
1-163-013-00	s CAP, CHIP CERAMIC 2200pF 10% 50V	1-163-015-00	s CAP, CHIP CERAMIC 3300pF 10% 50V
1-163-017-00	s CAP, CHIP CERAMIC 4700pF 10% 50V	1-163-017-00	s CAP, CHIP CERAMIC 20pF 5% 500V
1-163-019-00	s CAP, CHIP CERAMIC 6800pF 10% 50V	1-163-021-00	s CAP, CHIP CERAMIC 0.01 10% 50V
1-163-023-00	s CAP, CHIP CERAMIC 0.015 10% 50V	1-163-023-00	s CAP, CHIP CERAMIC 0.033 50V
1-163-034-00	s CAP, CHIP CERAMIC 0.047 50V	1-163-035-00	s CAP, CHIP CERAMIC 0.047 50V
1-163-036-00	s CAP, CHIP CERAMIC 0.068 50V	1-163-038-00	s CAP, CHIP CERAMIC 0.1 50V
CAPACITOR, MICA, SILVERED			
1-107-019-00	s CAP, MICA 1.0pF ±0.5pF 500V	1-107-039-00	s CAP, MICA 1.2pF ±0.5pF 500V
1-107-040-00	s CAP, MICA 1.5pF ±0.5pF 500V	1-107-041-00	s CAP, MICA 1.8pF ±0.5pF 500V
1-107-042-00	s CAP, MICA 2.2pF ±0.5pF 500V	1-107-043-00	s CAP, MICA 2.7pF ±0.5pF 500V
1-107-048-00	s CAP, MICA 3.3pF ±0.5pF 500V	1-107-049-00	s CAP, MICA 3.9pF ±0.5pF 500V
1-107-045-00	s CAP, MICA 4.7pF ±0.5pF 500V	1-107-046-00	s CAP, MICA 5.1pF ±0.5pF 500V
1-107-026-00	s CAP, MICA 10pF 5% 500V	1-107-023-00	s CAP, MICA 11pF 5% 500V
1-107-020-00	s CAP, MICA 12pF 5% 500V	1-107-024-00	s CAP, MICA 13pF 5% 500V
1-107-205-00	s CAP, MICA 15pF 5% 500V	1-107-206-00	s CAP, MICA 16pF 5% 500V
1-107-208-00	s CAP, MICA 18pF 5% 500V	1-107-209-00	s CAP, MICA 20pF 5% 500V
1-107-210-00	s CAP, MICA 22pF 5% 500V	1-107-211-00	s CAP, MICA 24pF 5% 500V
1-107-157-00	s CAP, MICA 27pF 5% 500V	1-107-158-00	s CAP, MICA 30pF 5% 500V
1-107-077-00	s CAP, MICA 47pF 5% 500V	1-107-159-00	s CAP, MICA 33pF 5% 500V
1-107-164-00	s CAP, MICA 51pF 5% 500V	1-107-074-00	s CAP, MICA 36pF 5% 500V
1-107-165-00	s CAP, MICA 56pF 5% 500V	1-107-075-00	s CAP, MICA 39pF 5% 500V
1-107-166-00	s CAP, MICA 62pF 5% 500V	1-107-076-00	s CAP, MICA 43pF 5% 500V
1-107-036-00	s CAP, MICA 68pF 5% 500V	1-107-167-00	s CAP, MICA 75pF 5% 500V
1-107-083-00	s CAP, MICA 82pF 5% 500V	1-107-084-00	s CAP, MICA 91pF 5% 500V
1-107-085-00	s CAP, MICA 100pF 5% 500V	1-107-086-00	s CAP, MICA 110pF 5% 500V
1-107-087-00	s CAP, MICA 120pF 5% 500V	1-109-538-00	s CAP, MICA 130pF 5% 100V
1-109-539-00	s CAP, MICA 150pF 5% 100V	1-107-090-00	s CAP, MICA 160pF 5% 50V
1-109-540-00	s CAP, MICA 180pF 5% 100V	1-109-541-00	s CAP, MICA 200pF 5% 100V
1-109-542-00	s CAP, MICA 220pF 5% 100V	1-109-545-00	s CAP, MICA 270pF 5% 100V
1-109-547-00	s CAP, MICA 330pF 5% 100V	1-109-549-00	s CAP, MICA 390pF 5% 100V
1-109-633-00	s CAP, MICA 470pF 2% 500V	1-109-635-00	s CAP, MICA 560pF 2% 500V
1-109-555-00	s CAP, MICA 470pF 2% 500V		

RING STOPPER GEAR

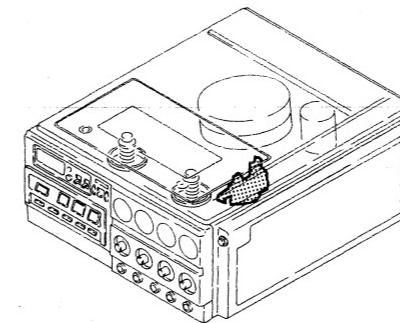
Ring Stopper Assembly Block



BVW-35P(1)

No.	Part No.	SP	Description
401	A-6747-250-A	s	STOPPER ASSY, RING
402	X-3676-029-0	s	ARM (B) ASSY, STOPPER
403	1-454-360-21	s	SOLENOID, PLUNGER
404	1-570-816-11	s	SWITCH, REED
405	3-676-062-00	s	TERMINAL, SWITCH
406	3-676-255-00	s	HOLDER, SWITCH
407	3-682-972-01	o	SPRING
408	3-703-502-22	s	SCREW

Gear Assembly Block



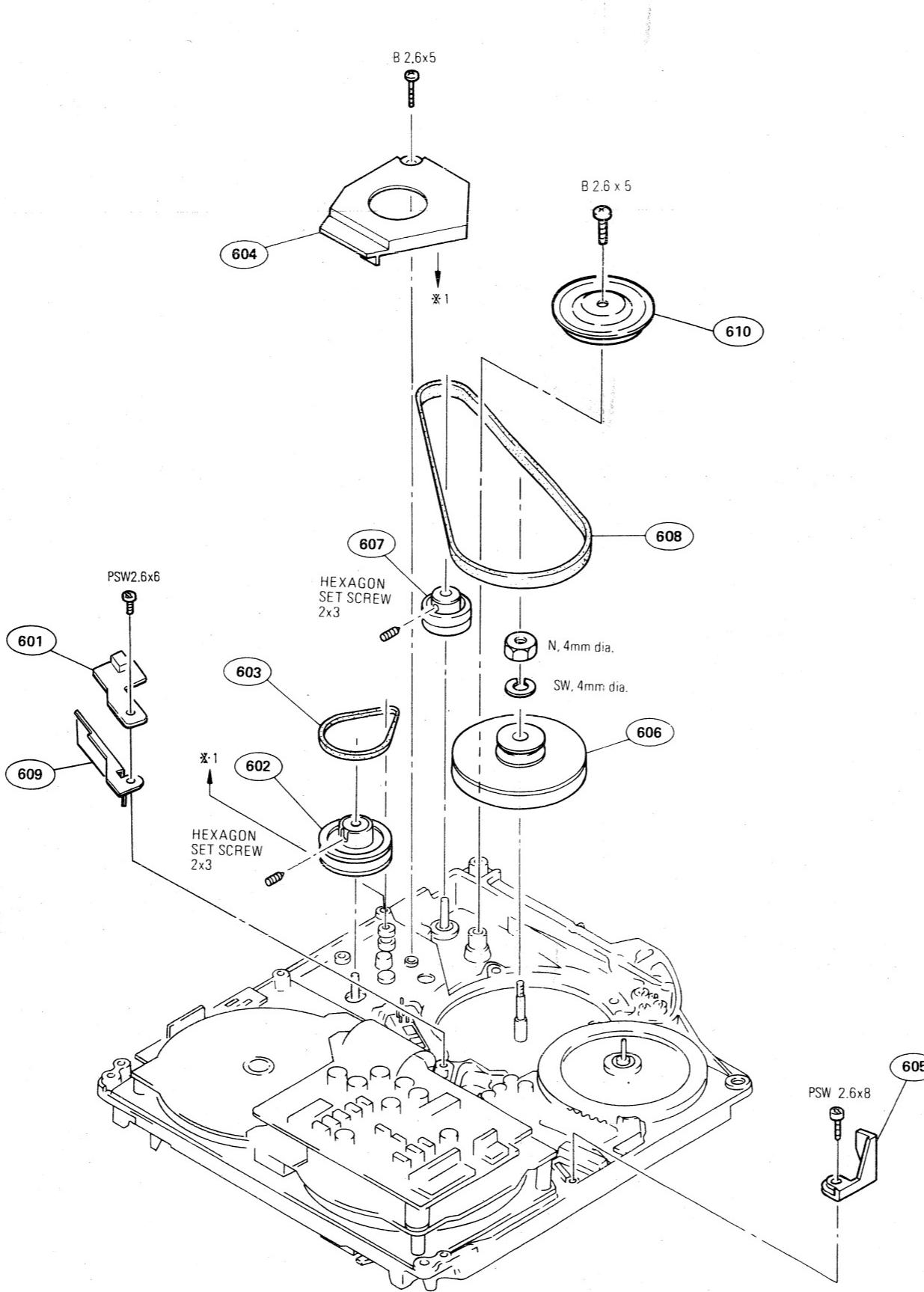
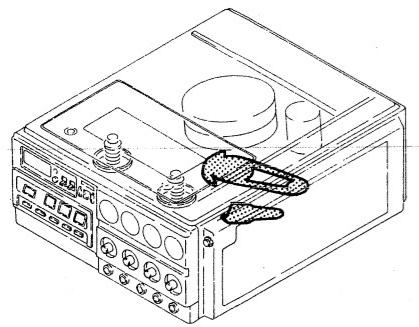
BVW-35P(1)

No.	Part No.	SP	Description
501	A-6750-138-F	s	GEAR BLOCK ASSY
502	X-3676-038-2	o	ARM ASSY, PULL
503	X-3676-039-0	s	LINK ASSY, SLANT
504	X-3676-050-0	s	GEAR ASSY, MOTHER
505	3-676-133-00	o	SHAFT, CAM
506	3-676-156-00	s	GEAR, RING DRIVE
507	3-676-157-00	s	GEAR, TRANSFER
508	3-676-160-00	s	GEAR, DECELERATION
509	3-676-167-00	s	PULLEY, EJECT
510	3-676-260-00	s	CAM, DRAWER
511	3-676-306-04	o	TRAVELER, TAPE
512	3-676-308-00	o	SPRING
513	3-676-309-03	o	SPRING
514	3-676-387-00	s	POLY-SLIDER (DIA.1.6)
515	3-701-436-11	s	WASHER, POLY 1.6 MM DIA., 0.25T
516	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T

REEL CHASSIS (BACK SIDE)

REEL CHASSIS (BACK SIDE)

Reel Chassis Block (Back Side)



BVW-35P(1)

No. Part No. SP Description

601	1-623-354-12	o	PRINTED CIRCUIT BOARD, DS-23
602	3-676-166-00	s	PULLEY, DECELERATION
603	3-676-303-00	s	BELT, T.H MOTOR
604	3-676-381-00	o	COVER, T PULLEY
605	3-682-902-02	o	STOPPER, CAPSTAN
606	X-3717-113-1	o	PULLEY ASSY, DRUM
607	3-719-122-02	s	PULLEY, D MOTOR
608	3-719-123-01	s	BELT, DRUM
609	3-719-137-01	o	PLATE, SHIELD, EJ
610	3-719-211-01	o	RETAINER, BELT

Part No. SP Description

CAPACITOR, MYLAR

1-130-467-00 s CAP, MYLAR 470pF 5% 50V
 1-130-468-00 s CAP, MYLAR 560pF 5% 50V
 1-130-469-00 s CAP, MYLAR 680pF 5% 50V
 1-130-470-00 s CAP, MYLAR 820pF 5% 50V
 1-130-471-00 s CAP, MYLAR 1000pF 5% 50V

1-130-472-00 s CAP, MYLAR 1200pF 5% 50V
 1-130-473-00 s CAP, MYLAR 1500pF 5% 50V
 1-130-474-00 s CAP, MYLAR 1800pF 5% 50V
 1-130-475-00 s CAP, MYLAR 2200pF 5% 50V
 1-130-476-00 s CAP, MYLAR 2700pF 5% 50V

1-130-477-00 s CAP, MYLAR 3300pF 5% 50V
 1-130-478-00 s CAP, MYLAR 3900pF 5% 50V
 1-130-479-00 s CAP, MYLAR 4700pF 5% 50V
 1-130-480-00 s CAP, MYLAR 5600pF 5% 50V
 1-130-481-00 s CAP, MYLAR 6800pF 5% 50V

1-130-482-00 s CAP, MYLAR 8200pF 5% 50V
 1-130-483-00 s CAP, MYLAR 0.01 5% 50V
 1-130-484-00 s CAP, MYLAR 0.012 5% 50V
 1-130-485-00 s CAP, MYLAR 0.015 5% 50V
 1-130-486-00 s CAP, MYLAR 0.018 5% 50V

1-130-487-00 s CAP, MYLAR 0.022 5% 50V
 1-130-488-00 s CAP, MYLAR 0.027 5% 50V
 1-130-489-00 s CAP, MYLAR 0.033 5% 50V
 1-130-490-11 s CAP, MYLAR 0.039 5% 50V
 1-130-491-00 s CAP, MYLAR 0.047 5% 50V

1-130-492-11 s CAP, MYLAR 0.056 5% 50V
 1-130-493-00 s CAP, MYLAR 0.068 5% 50V
 1-130-494-11 s CAP, MYLAR 0.082 5% 50V
 1-130-495-00 s CAP, MYLAR 0.1 5% 50V
 1-130-496-00 s CAP, MYLAR 0.12 5% 50V

1-130-497-00 s CAP, MYLAR 0.15 5% 50V
 1-130-498-00 s CAP, MYLAR 0.18 5% 50V
 1-130-499-00 s CAP, MYLAR 0.22 5% 50V
 1-136-502-11 s CAP, MYLAR 0.33 5% 50V

Part No. SP Description

CAPACITOR, TANTALUM

1-131-396-11 s CAP, TANTALUM 0.01 20% 35V
 1-131-397-11 s CAP, TANTALUM 0.015 20% 35V
 1-131-398-11 s CAP, TANTALUM 0.022 20% 35V
 1-131-399-11 s CAP, TANTALUM 0.033 20% 35V
 1-131-400-11 s CAP, TANTALUM 0.047 20% 35V

1-131-401-21 s CAP, TANTALUM 0.068 10% 35V
 1-131-341-21 s CAP, TANTALUM 0.1 10% 35V
 1-131-342-21 s CAP, TANTALUM 0.15 10% 35V
 1-131-343-21 s CAP, TANTALUM 0.22 10% 35V
 1-131-344-21 s CAP, TANTALUM 0.33 10% 35V

1-131-412-11 s CAP, TANTALUM 0.47 20% 20V
 1-131-345-21 s CAP, TANTALUM 0.47 10% 35V
 1-131-410-11 s CAP, TANTALUM 0.68 20% 25V
 1-131-346-21 s CAP, TANTALUM 0.68 10% 35V
 1-131-413-11 s CAP, TANTALUM 1.0 20% 20V

1-131-347-21 s CAP, TANTALUM 1.0 10% 35V
 1-131-416-11 s CAP, TANTALUM 1.5 20% 16V
 1-131-348-21 s CAP, TANTALUM 1.5 10% 35V
 1-131-419-11 s CAP, TANTALUM 2.2 20% 10V
 1-131-361-21 s CAP, TANTALUM 2.2 10% 20V

1-131-349-21 s CAP, TANTALUM 2.2 10% 35V
 1-131-422-11 s CAP, TANTALUM 3.3 20% 6.3V
 1-131-368-21 s CAP, TANTALUM 3.3 10% 16V
 1-131-356-21 s CAP, TANTALUM 3.3 10% 25V
 1-131-350-21 s CAP, TANTALUM 3.3 10% 35V

1-131-425-11 s CAP, TANTALUM 4.7 20% 3.15V
 1-131-375-21 s CAP, TANTALUM 4.7 10% 10V
 1-131-363-21 s CAP, TANTALUM 4.7 10% 20V
 1-131-351-21 s CAP, TANTALUM 4.7 10% 35V
 1-131-382-21 s CAP, TANTALUM 6.8 10% 6.3V

1-131-370-21 s CAP, TANTALUM 6.8 10% 16V
 1-131-358-21 s CAP, TANTALUM 6.8 10% 25V
 1-131-352-21 s CAP, TANTALUM 6.8 10% 35V
 1-131-389-21 s CAP, TANTALUM 10 10% 3.15V
 1-131-377-21 s CAP, TANTALUM 10 10% 10V

1-131-365-21 s CAP, TANTALUM 10 10% 20V
 1-131-353-21 s CAP, TANTALUM 10 10% 35V
 1-131-384-21 s CAP, TANTALUM 15 10% 6.3V
 1-131-372-21 s CAP, TANTALUM 15 10% 16V
 1-131-360-21 s CAP, TANTALUM 15 10% 25V

1-131-391-21 s CAP, TANTALUM 22 10% 3.15V
 1-131-379-21 s CAP, TANTALUM 22 10% 10V
 1-131-367-21 s CAP, TANTALUM 22 10% 20V
 1-131-386-21 s CAP, TANTALUM 33 10% 6.3V
 1-131-374-21 s CAP, TANTALUM 33 10% 16V

1-131-393-21 s CAP, TANTALUM 47 10% 3.15V
 1-131-381-21 s CAP, TANTALUM 47 10% 10V
 1-131-388-21 s CAP, TANTALUM 68 10% 6.3V
 1-131-395-21 s CAP, TANTALUM 100 10% 3.15V

Part No. SP Description

CONNECTOR, RECEPTACLE (STRAIGHT TYPE)
CONNECTOR, RECEPTACLE (ANGLE TYPE)
CONNECTOR, HOUSING
CONNECTOR, CONTACT AWG24-30/AWG32

1-564-001-11 o RECEPTACLE 2P MALE (STRAIGHT TYPE)
 1-564-012-11 o RECEPTACLE 2P MALE (ANGLE TYPE)
 1-562-147-11 o HOUSING 2P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-002-11 o RECEPTACLE 3P MALE (STRAIGHT TYPE)
 1-564-013-11 o RECEPTACLE 3P MALE (ANGLE TYPE)
 1-562-148-11 o HOUSING 3P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-003-11 o RECEPTACLE 4P MALE (STRAIGHT TYPE)
 1-564-014-11 o RECEPTACLE 4P MALE (ANGLE TYPE)
 1-562-149-11 o HOUSING 4P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-004-11 o RECEPTACLE 5P MALE (STRAIGHT TYPE)
 1-564-015-11 o RECEPTACLE 5P MALE (ANGLE TYPE)
 1-562-150-11 o HOUSING 5P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-005-11 o RECEPTACLE 6P MALE (STRAIGHT TYPE)
 1-564-016-11 o RECEPTACLE 6P MALE (ANGLE TYPE)
 1-562-151-11 o HOUSING 6P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-006-11 o RECEPTACLE 7P MALE (STRAIGHT TYPE)
 1-564-017-11 o RECEPTACLE 7P MALE (ANGLE TYPE)
 1-562-152-11 o HOUSING 7P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-007-11 o RECEPTACLE 8P MALE (STRAIGHT TYPE)
 1-564-018-11 o RECEPTACLE 8P MALE (ANGLE TYPE)
 1-562-153-11 o HOUSING 8P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-008-41 o RECEPTACLE 9P MALE (STRAIGHT TYPE)
 1-564-019-11 o RECEPTACLE 9P MALE (ANGLE TYPE)
 1-562-154-11 o HOUSING 9P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-009-11 o RECEPTACLE 10P MALE (STRAIGHT TYPE)
 1-564-020-11 o RECEPTACLE 10P MALE (ANGLE TYPE)
 1-562-155-11 o HOUSING 10P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-010-21 o RECEPTACLE 11P MALE (STRAIGHT TYPE)
 1-564-021-11 o RECEPTACLE 11P MALE (ANGLE TYPE)
 1-562-156-11 o HOUSING 11P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-011-11 o RECEPTACLE 12P MALE (STRAIGHT TYPE)
 1-564-022-11 o RECEPTACLE 12P MALE (ANGLE TYPE)
 1-562-157-11 o HOUSING 12P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

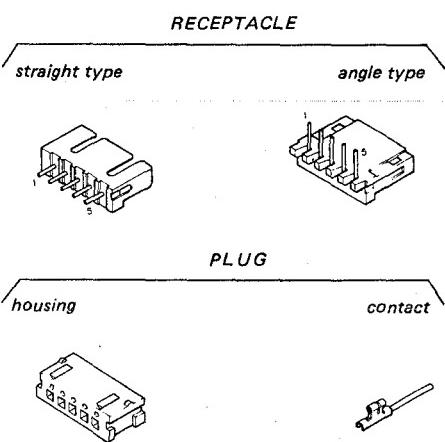
Part No. SP Description

CONNECTOR, RECEPTACLE (STRAIGHT TYPE)
CONNECTOR, RECEPTACLE (ANGLE TYPE)
CONNECTOR, HOUSING
CONNECTOR, CONTACT AWG24-30/AWG32

1-564-683-11 o RECEPTACLE 13P MALE (STRAIGHT TYPE)
 1-564-743-11 o RECEPTACLE 13P MALE (ANGLE TYPE)
 1-562-627-11 o HOUSING 13P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-069-11 o RECEPTACLE 14P MALE (STRAIGHT TYPE)
 1-564-630-11 o RECEPTACLE 14P MALE (ANGLE TYPE)
 1-562-185-11 o HOUSING 14P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32

1-564-855-11 o RECEPTACLE 15P MALE (STRAIGHT TYPE)
 1-564-877-11 o RECEPTACLE 15P MALE (ANGLE TYPE)
 1-562-958-11 o HOUSING 15P
 1-564-026-21 o CONTACT AWG24-30
 1-564-681-21 o CONTACT AWG32



Part No.	SP	Description	Part No.	SP	Description
<u>INDUCTOR, MICRO</u>					
1-408-397-00	s	INDUCTOR, MICRO 1.0 5%	1-249-381-11	s	RES, CARBON 1.0 5% 1/6W
1-408-399-00	s	INDUCTOR, MICRO 1.5 5%	1-249-382-11	s	RES, CARBON 1.2 5% 1/6W
1-408-400-00	s	INDUCTOR, MICRO 1.8 5%	1-249-383-11	s	RES, CARBON 1.5 5% 1/6W
1-408-401-00	s	INDUCTOR, MICRO 2.2 5%	1-249-384-11	s	RES, CARBON 1.8 5% 1/6W
1-408-403-00	s	INDUCTOR, MICRO 3.3 5%	1-249-385-11	s	RES, CARBON 2.2 5% 1/6W
1-408-404-00	s	INDUCTOR, MICRO 3.9 5%	1-249-386-11	s	RES, CARBON 2.7 5% 1/6W
1-408-405-00	s	INDUCTOR, MICRO 4.7 5%	1-249-387-11	s	RES, CARBON 3.3 5% 1/6W
1-408-406-00	s	INDUCTOR, MICRO 5.6 5%	1-249-388-11	s	RES, CARBON 3.9 5% 1/6W
1-408-407-00	s	INDUCTOR, MICRO 6.8 5%	1-249-389-11	s	RES, CARBON 4.7 5% 1/6W
1-408-408-00	s	INDUCTOR, MICRO 8.2 5%	1-249-390-11	s	RES, CARBON 5.6 5% 1/6W
1-408-409-00	s	INDUCTOR, MICRO 10 5%	1-249-391-11	s	RES, CARBON 6.8 5% 1/6W
1-408-410-00	s	INDUCTOR, MICRO 12 5%	1-249-392-11	s	RES, CARBON 8.2 5% 1/6W
1-408-411-00	s	INDUCTOR, MICRO 15 5%	1-249-393-11	s	RES, CARBON 10 5% 1/6W
1-408-412-00	s	INDUCTOR, MICRO 18 5%	1-249-394-11	s	RES, CARBON 12 5% 1/6W
1-408-413-00	s	INDUCTOR, MICRO 22 5%	1-249-395-11	s	RES, CARBON 15 5% 1/6W
1-408-414-00	s	INDUCTOR, MICRO 27 5%	1-249-396-11	s	RES, CARBON 18 5% 1/6W
1-408-415-00	s	INDUCTOR, MICRO 33 5%	1-249-397-11	s	RES, CARBON 22 5% 1/6W
1-408-416-00	s	INDUCTOR, MICRO 39 5%	1-249-398-11	s	RES, CARBON 27 5% 1/6W
1-408-417-00	s	INDUCTOR, MICRO 47 5%	1-249-399-11	s	RES, CARBON 33 5% 1/6W
1-408-418-00	s	INDUCTOR, MICRO 56 5%	1-249-400-11	s	RES, CARBON 39 5% 1/6W
1-408-419-00	s	INDUCTOR, MICRO 68 5%	1-249-401-11	s	RES, CARBON 47 5% 1/6W
1-408-420-00	s	INDUCTOR, MICRO 82 5%	1-249-402-11	s	RES, CARBON 56 5% 1/6W
1-408-421-00	s	INDUCTOR, MICRO 100 5%	1-249-403-11	s	RES, CARBON 68 5% 1/6W
1-408-422-00	s	INDUCTOR, MICRO 120 5%	1-215-394-00	s	RES, METAL 75 1% 1/6W
1-408-423-00	s	INDUCTOR, MICRO 150 5%	1-249-404-11	s	RES, CARBON 82 5% 1/6W
1-408-424-00	s	INDUCTOR, MICRO 180 5%	1-249-405-11	s	RES, CARBON 100 5% 1/6W
1-408-425-00	s	INDUCTOR, MICRO 220 5%	1-249-406-11	s	RES, CARBON 120 5% 1/6W
1-408-426-00	s	INDUCTOR, MICRO 270 5%	1-249-407-11	s	RES, CARBON 150 5% 1/6W
1-408-427-00	s	INDUCTOR, MICRO 330 5%	1-249-408-11	s	RES, CARBON 180 5% 1/6W
1-408-428-00	s	INDUCTOR, MICRO 390 5%	1-249-409-11	s	RES, CARBON 220 5% 1/6W
1-408-429-00	s	INDUCTOR, MICRO 470 5%	1-249-410-11	s	RES, CARBON 270 5% 1/6W
1-410-116-11	s	INDUCTOR, MICRO 560 5%	1-249-411-11	s	RES, CARBON 330 5% 1/6W
1-410-492-11	s	INDUCTOR, MICRO 680 5%	1-249-412-11	s	RES, CARBON 390 5% 1/6W
1-410-493-11	s	INDUCTOR, MICRO 820 5%	1-249-413-11	s	RES, CARBON 470 5% 1/6W
1-410-494-11	s	INDUCTOR, MICRO 1000 5%	1-249-414-11	s	RES, CARBON 560 5% 1/6W
<u>RESISTOR, CARBON</u>					
1-249-415-11	s	RES, CARBON 680 5% 1/6W	1-249-416-11	s	RES, CARBON 820 5% 1/6W
1-249-417-11	s	RES, CARBON 1.0k 5% 1/6W	1-249-418-11	s	RES, CARBON 1.2k 5% 1/6W
1-249-419-11	s	RES, CARBON 1.5k 5% 1/6W	1-249-420-11	s	RES, CARBON 1.8k 5% 1/6W
1-249-421-11	s	RES, CARBON 2.2k 5% 1/6W	1-249-422-11	s	RES, CARBON 2.7k 5% 1/6W
1-249-423-11	s	RES, CARBON 3.3k 5% 1/6W	1-249-424-11	s	RES, CARBON 3.9k 5% 1/6W
1-249-425-11	s	RES, CARBON 4.7k 5% 1/6W	1-249-430-11	s	RES, CARBON 12k 5% 1/6W
1-249-426-11	s	RES, CARBON 5.6k 5% 1/6W	1-249-431-11	s	RES, CARBON 15k 5% 1/6W
1-249-427-11	s	RES, CARBON 6.8k 5% 1/6W	1-249-432-11	s	RES, CARBON 18k 5% 1/6W
1-249-428-11	s	RES, CARBON 8.2k 5% 1/6W	1-249-433-11	s	RES, CARBON 22k 5% 1/6W
1-249-429-11	s	RES, CARBON 10k 5% 1/6W	1-249-434-11	s	RES, CARBON 27k 5% 1/6W
1-249-435-11	s	RES, CARBON 33k 5% 1/6W	1-249-436-11	s	RES, CARBON 39k 5% 1/6W
1-249-437-11	s	RES, CARBON 47k 5% 1/6W	1-249-438-11	s	RES, CARBON 56k 5% 1/6W
1-249-439-11	s	RES, CARBON 68k 5% 1/6W			

Part No. SP Description

RESISTOR, CARBON

1-249-440-11	s	RES, CARBON	82k	5%	1/6W
1-249-441-11	s	RES, CARBON	100k	5%	1/6W
1-215-471-00	s	RES, METAL	120k	1%	1/6W
1-215-473-00	s	RES, METAL	150k	1%	1/6W
1-215-475-00	s	RES, METAL	180k	1%	1/6W
1-215-477-00	s	RES, METAL	220k	1%	1/6W
1-215-479-00	s	RES, METAL	270k	1%	1/6W
1-215-481-00	s	RES, METAL	330k	1%	1/6W
1-215-483-00	s	RES, METAL	390k	1%	1/6W
1-215-485-00	s	RES, METAL	470k	1%	1/6W
1-215-487-00	s	RES, METAL	560k	1%	1/6W
1-215-489-00	s	RES, METAL	680k	1%	1/6W
1-215-491-00	s	RES, METAL	820k	1%	1/6W
1-215-493-00	s	RES, METAL	1.0M	1%	1/6W

Part No. SP Description

RESISTOR, CHIP

1-216-295-00	s	RES, CHIP	0	5%	1/10W
1-216-298-00	s	RES, CHIP	2.2	5%	1/10W
1-216-302-00	s	RES, CHIP	2.7	5%	1/10W
1-216-304-00	s	RES, CHIP	3.3	5%	1/10W
1-216-306-00	s	RES, CHIP	3.9	5%	1/10W
1-216-308-00	s	RES, CHIP	4.7	5%	1/10W
1-216-309-00	s	RES, CHIP	5.6	5%	1/10W
1-216-311-00	s	RES, CHIP	6.8	5%	1/10W
1-216-313-00	s	RES, CHIP	8.2	5%	1/10W
1-216-001-00	s	RES, CHIP	10	5%	1/10W
1-216-003-00	s	RES, CHIP	12	5%	1/10W
1-216-005-00	s	RES, CHIP	15	5%	1/10W
1-216-007-00	s	RES, CHIP	18	5%	1/10W
1-216-009-00	s	RES, CHIP	22	5%	1/10W
1-216-011-00	s	RES, CHIP	27	5%	1/10W
1-216-013-00	s	RES, CHIP	33	5%	1/10W
1-216-015-00	s	RES, CHIP	39	5%	1/10W
1-216-017-00	s	RES, CHIP	47	5%	1/10W
1-216-019-00	s	RES, CHIP	56	5%	1/10W
1-216-021-00	s	RES, CHIP	68	5%	1/10W
1-216-023-00	s	RES, CHIP	82	5%	1/10W
1-216-025-00	s	RES, CHIP	100	5%	1/10W
1-216-027-00	s	RES, CHIP	120	5%	1/10W
1-216-029-00	s	RES, CHIP	150	5%	1/10W
1-216-031-00	s	RES, CHIP	180	5%	1/10W
1-216-033-00	s	RES, CHIP	220	5%	1/10W
1-216-035-00	s	RES, CHIP	270	5%	1/10W
1-216-037-00	s	RES, CHIP	330	5%	1/10W
1-216-039-00	s	RES, CHIP	390	5%	1/10W
1-216-041-00	s	RES, CHIP	470	5%	1/10W
1-216-043-00	s	RES, CHIP	560	5%	1/10W
1-216-045-00	s	RES, CHIP	680	5%	1/10W
1-216-047-00	s	RES, CHIP	820	5%	1/10W
1-216-049-00	s	RES, CHIP	1k	5%	1/10W
1-216-051-00	s	RES, CHIP	1.2k	5%	1/10W
1-216-053-00	s	RES, CHIP	1.5k	5%	1/10W
1-216-055-00	s	RES, CHIP	1.8k	5%	1/10W
1-216-057-00	s	RES, CHIP	2.2k	5%	1/10W
1-216-059-00	s	RES, CHIP	2.7k	5%	1/10W
1-216-061-00	s	RES, CHIP	3.3k	5%	1/10W
1-216-063-00	s	RES, CHIP	3.9k	5%	1/10W
1-216-065-00	s	RES, CHIP	4.7k	5%	1/10W
1-216-067-00	s	RES, CHIP	5.6k	5%	1/10W
1-216-069-00	s	RES, CHIP	6.8k	5%	1/10W
1-216-071-00	s	RES, CHIP	8.2k	5%	1/10W
1-216-073-00	s	RES, CHIP	10k	5%	1/10W
1-216-075-00	s	RES, CHIP	12k	5%	1/10W
1-216-077-00	s	RES, CHIP	15k	5%	1/10W
1-216-079-00	s	RES, CHIP	18k	5%	1/10W
1-216-081-00	s	RES, CHIP	22k	5%	1/10W
1-216-083-00	s	RES, CHIP	27k	5%	1/10W
1-216-085-00	s	RES, CHIP	33k	5%	1/10W
1-216-087-00	s	RES, CHIP	39k	5%	1/10W
1-216-089-00	s	RES, CHIP	47k	5%	1/10W
1-216-091-00	s	RES, CHIP	56k	5%	1/10W

Part No. SP Description

RESISTOR, CHIP

1-216-093-00 s RES, CHIP 68k 5% 1/10W
 1-216-095-00 s RES, CHIP 82k 5% 1/10W
 1-216-097-00 s RES, CHIP 100k 5% 1/10W
 1-216-099-00 s RES, CHIP 120k 5% 1/10W
 1-216-101-00 s RES, CHIP 150k 5% 1/10W

 1-216-103-00 s RES, CHIP 180k 5% 1/10W
 1-216-105-00 s RES, CHIP 220k 5% 1/10W
 1-216-107-00 s RES, CHIP 270k 5% 1/10W
 1-216-109-00 s RES, CHIP 330k 5% 1/10W
 1-216-111-00 s RES, CHIP 390k 5% 1/10W

 1-216-113-00 s RES, CHIP 470k 5% 1/10W
 1-216-115-00 s RES, CHIP 560k 5% 1/10W
 1-216-117-00 s RES, CHIP 680k 5% 1/10W
 1-216-119-00 s RES, CHIP 820k 5% 1/10W
 1-216-121-00 s RES, CHIP 1.0M 5% 1/10W

 1-216-123-00 s RES, CHIP 1.2M 5% 1/10W
 1-216-125-00 s RES, CHIP 1.5M 5% 1/10W
 1-216-127-00 s RES, CHIP 1.8M 5% 1/10W
 1-216-129-00 s RES, CHIP 2.2M 5% 1/10W
 1-216-131-00 s RES, CHIP 2.7M 5% 1/10W

 1-216-133-00 s RES, CHIP 3.3M 5% 1/10W

Part No. SP Description

RESISTOR, METAL

1-215-373-31 s RES, METAL 10 1% 1/6W
 1-215-374-00 s RES, METAL 11 1% 1/6W
 1-215-375-00 s RES, METAL 12 1% 1/6W
 1-215-376-00 s RES, METAL 13 1% 1/6W
 1-215-377-00 s RES, METAL 15 1% 1/6W

 1-215-378-00 s RES, METAL 16 1% 1/6W
 1-215-379-00 s RES, METAL 18 1% 1/6W
 1-215-380-00 s RES, METAL 20 1% 1/6W
 1-215-381-00 s RES, METAL 22 1% 1/6W
 1-215-382-00 s RES, METAL 24 1% 1/6W

 1-215-383-00 s RES, METAL 27 1% 1/6W
 1-215-384-00 s RES, METAL 30 1% 1/6W
 1-215-385-00 s RES, METAL 33 1% 1/6W
 1-215-386-00 s RES, METAL 36 1% 1/6W
 1-215-387-00 s RES, METAL 39 1% 1/6W

 1-215-388-00 s RES, METAL 43 1% 1/6W
 1-215-389-00 s RES, METAL 47 1% 1/6W
 1-215-390-00 s RES, METAL 51 1% 1/6W
 1-215-391-00 s RES, METAL 56 1% 1/6W
 1-215-392-00 s RES, METAL 62 1% 1/6W

 1-215-393-00 s RES, METAL 68 1% 1/6W
 1-215-394-00 s RES, METAL 75 1% 1/6W
 1-215-395-00 s RES, METAL 82 1% 1/6W
 1-215-396-00 s RES, METAL 91 1% 1/6W
 1-215-397-00 s RES, METAL 100 1% 1/6W

 1-215-398-00 s RES, METAL 110 1% 1/6W
 1-215-399-00 s RES, METAL 120 1% 1/6W
 1-215-400-00 s RES, METAL 130 1% 1/6W
 1-215-401-00 s RES, METAL 150 1% 1/6W
 1-215-402-00 s RES, METAL 160 1% 1/6W

 1-215-403-00 s RES, METAL 180 1% 1/6W
 1-215-404-00 s RES, METAL 200 1% 1/6W
 1-215-405-00 s RES, METAL 220 1% 1/6W
 1-215-406-00 s RES, METAL 240 1% 1/6W
 1-215-407-00 s RES, METAL 270 1% 1/6W

 1-215-408-00 s RES, METAL 300 1% 1/6W
 1-215-409-00 s RES, METAL 330 1% 1/6W
 1-215-410-00 s RES, METAL 360 1% 1/6W
 1-215-411-00 s RES, METAL 390 1% 1/6W
 1-215-412-00 s RES, METAL 430 1% 1/6W

 1-215-413-00 s RES, METAL 470 1% 1/6W
 1-215-414-00 s RES, METAL 510 1% 1/6W
 1-215-415-00 s RES, METAL 560 1% 1/6W
 1-215-416-00 s RES, METAL 620 1% 1/6W
 1-215-417-00 s RES, METAL 680 1% 1/6W

 1-215-418-00 s RES, METAL 750 1% 1/6W
 1-215-419-00 s RES, METAL 820 1% 1/6W
 1-215-420-00 s RES, METAL 910 1% 1/6W
 1-215-421-00 s RES, METAL 1.0k 1% 1/6W
 1-215-422-00 s RES, METAL 1.1k 1% 1/6W

 1-215-423-00 s RES, METAL 1.2k 1% 1/6W
 1-215-424-00 s RES, METAL 1.3k 1% 1/6W
 1-215-425-00 s RES, METAL 1.5k 1% 1/6W
 1-215-426-00 s RES, METAL 1.6k 1% 1/6W
 1-215-427-00 s RES, METAL 1.8k 1% 1/6W

 1-215-428-00 s RES, METAL 2.0k 1% 1/6W
 1-215-429-00 s RES, METAL 2.2k 1% 1/6W
 1-215-430-00 s RES, METAL 2.4k 1% 1/6W
 1-215-431-00 s RES, METAL 2.7k 1% 1/6W
 1-215-432-00 s RES, METAL 3.0k 1% 1/6W

Part No. SP Description

RESISTOR, METAL

1-215-433-00	s	RES, METAL	3.3k	1%	1/6W
1-215-434-00	s	RES, METAL	3.6k	1%	1/6W
1-215-435-00	s	RES, METAL	3.9k	1%	1/6W
1-215-436-00	s	RES, METAL	4.3k	1%	1/6W
1-215-437-00	s	RES, METAL	4.7k	1%	1/6W
1-215-438-00	s	RES, METAL	5.1k	1%	1/6W
1-215-439-00	s	RES, METAL	5.6k	1%	1/6W
1-215-440-00	s	RES, METAL	6.2k	1%	1/6W
1-215-441-00	s	RES, METAL	6.8k	1%	1/6W
1-215-442-00	s	RES, METAL	7.5k	1%	1/6W
1-215-443-00	s	RES, METAL	8.2k	1%	1/6W
1-215-444-00	s	RES, METAL	9.1k	1%	1/6W
1-215-445-00	s	RES, METAL	10k	1%	1/6W
1-215-446-00	s	RES, METAL	11k	1%	1/6W
1-215-447-00	s	RES, METAL	12k	1%	1/6W
1-215-448-00	s	RES, METAL	13k	1%	1/6W
1-215-449-00	s	RES, METAL	15k	1%	1/6W
1-215-450-00	s	RES, METAL	16k	1%	1/6W
1-215-451-00	s	RES, METAL	18k	1%	1/6W
1-215-452-00	s	RES, METAL	20k	1%	1/6W
1-215-453-00	s	RES, METAL	22k	1%	1/6W
1-215-454-00	s	RES, METAL	24k	1%	1/6W
1-215-455-00	s	RES, METAL	27k	1%	1/6W
1-215-456-00	s	RES, METAL	30k	1%	1/6W
1-215-457-00	s	RES, METAL	33k	1%	1/6W
1-215-458-00	s	RES, METAL	36k	1%	1/6W
1-215-459-00	s	RES, METAL	39k	1%	1/6W
1-215-460-00	s	RES, METAL	43k	1%	1/6W
1-215-461-00	s	RES, METAL	47k	1%	1/6W
1-215-462-00	s	RES, METAL	51k	1%	1/6W
1-215-463-00	s	RES, METAL	56k	1%	1/6W
1-215-464-00	s	RES, METAL	62k	1%	1/6W
1-215-465-00	s	RES, METAL	68k	1%	1/6W
1-215-466-00	s	RES, METAL	75k	1%	1/6W
1-215-467-00	s	RES, METAL	82k	1%	1/6W
1-215-468-00	s	RES, METAL	91k	1%	1/6W
1-215-469-00	s	RES, METAL	100k	1%	1/6W
1-215-470-00	s	RES, METAL	110k	1%	1/6W
1-215-471-00	s	RES, METAL	120k	1%	1/6W
1-215-472-00	s	RES, METAL	130k	1%	1/6W
1-215-473-00	s	RES, METAL	150k	1%	1/6W
1-215-474-00	s	RES, METAL	160k	1%	1/6W
1-215-475-00	s	RES, METAL	180k	1%	1/6W
1-215-476-00	s	RES, METAL	200k	1%	1/6W
1-215-477-00	s	RES, METAL	220k	1%	1/6W
1-215-478-00	s	RES, METAL	240k	1%	1/6W
1-215-479-00	s	RES, METAL	270k	1%	1/6W
1-215-480-00	s	RES, METAL	300k	1%	1/6W
1-215-481-00	s	RES, METAL	330k	1%	1/6W
1-215-482-00	s	RES, METAL	360k	1%	1/6W
1-215-483-00	s	RES, METAL	390k	1%	1/6W
1-215-484-00	s	RES, METAL	430k	1%	1/6W
1-215-485-00	s	RES, METAL	470k	1%	1/6W
1-215-486-00	s	RES, METAL	510k	1%	1/6W
1-215-487-00	s	RES, METAL	560k	1%	1/6W
1-215-488-00	s	RES, METAL	620k	1%	1/6W
1-215-489-00	s	RES, METAL	680k	1%	1/6W
1-215-490-00	s	RES, METAL	750k	1%	1/6W
1-215-491-00	s	RES, METAL	820k	1%	1/6W
1-215-492-00	s	RES, METAL	910k	1%	1/6W
1-215-493-00	s	RES, METAL	1.0M	1%	1/6W

Ref No. Parts No. SP Description

AFM-3 BOARD

All of the component parts on the AFM-3 Board are supplied together when you order the AU-93P Board.

1-622-882-11 o PRINTED CIRCUIT BOARD, AFM-3

C4 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C7 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C8 1-135-092-21 s TANTAL. CHIP 3.3 10% 16V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-403-77 s AN3922NK (MATSUSHITA)

L1 1-410-064-11 s MICRO 2.7mH

R1 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

AL-14 BOARD

All of the component parts on the AL-14 Board are supplied together when you order the AU-93P Board.

1-622-883-11 o PRINTED CIRCUIT BOARD, AL-14

C1 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C3 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C4 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C5 1-135-093-21 s TANTAL. CHIP 10 10% 6.3V

CN1 1-566-092-11 o PIN, BOARD TO BOARD 7P

D1 8-719-101-23 s ISS123
 D2 8-719-100-05 s IS2837

Q1 8-729-901-01 s DTC144EK
 Q2 8-729-271-22 s 2SC2712-G
 Q3 8-729-901-01 s DTC144EK
 Q4 8-729-901-01 s DTC144EK
 Q5 8-729-271-22 s 2SC2712-G

AR-12P BOARD

All of the component parts on the AR-12P Board are supplied together when you order the AU-93P Board.

1-622-884-12 o PRINTED CIRCUIT BOARD, AR-12P

Ref No. Parts No. SP Description

C1 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C4 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C5 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C7 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C8 1-135-093-21 s TANTAL. CHIP 10 10% 16V

C12 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C13 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C15 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

IC1 8-759-700-43 s NJM4558M (JRC)
 IC2 8-759-700-43 s NJM4558M (JRC)

R10 1-216-676-11 s METAL. CHIP 11k 0.50% 1/10W

RV1 1-228-475-00 s VAR, CERMET 20k
 RV2 1-228-473-00 s VAR, CERMET 5k
 RV3 1-228-475-00 s VAR, CERMET 20k
 RV4 1-228-473-00 s VAR, CERMET 5k

ASW-7 BOARD

1-622-890-13 o PRINTED CIRCUIT BOARD, ASW-7

S1 1-570-857-11 s SLIDE
 S2 1-570-857-11 s SLIDE
 S3 1-570-857-11 s SLIDE
 S4 1-554-303-21 s KEY BOARD

AU-93P BOARD

This board includes the AFM-3, AL-14, AR-12P, CO-8, DC-33, NR-19, SG-137 and VA-68 Boards.

A-6713-326-A o MOUNTED CIRCUIT BOARD, AU-93P

C1 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C2 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C3 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
 C4 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
 C101 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

C102 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C103 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C104 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C105 1-124-443-00 s ELECT 100 20% 6.3V
 C106 1-124-443-00 s ELECT 100 20% 6.3V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
C107	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V	C635	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C108	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V	C638	1-124-225-00	s	ELECT 100 20% 6.3V
C109	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V	C851	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C110	1-163-014-00	s	CERAMIC CHIP 2700PF 10% 50V	C854	1-124-120-11	s	ELECT 220 20% 25V
C113	1-135-093-21	s	TANTAL. CHIP 10 10% 16V	C856	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C114	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	C857	1-124-477-11	s	ELECT 47 20% 25V
C201	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	C901	1-124-477-11	s	ELECT 47 20% 16V
C202	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V	C902	1-124-477-11	s	ELECT 47 20% 25V
C203	1-135-093-21	s	TANTAL. CHIP 10 10% 16V	C903	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C204	1-135-093-21	s	TANTAL. CHIP 10 10% 16V	C905	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C207	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V	C906	1-124-477-11	s	ELECT 47 20% 16V
C208	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V	C907	1-124-477-11	s	ELECT 47 20% 25V
C209	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V	C908	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C210	1-163-014-00	s	CERAMIC CHIP 2700PF 10% 50V	C910	1-109-626-00	s	DIP-MICA 100PF 5% 50V
C213	1-135-093-21	s	TANTAL. CHIP 10 10% 16V	C911	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C214	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	C912	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C302	1-109-685-31	s	MICA 330PF 5% 500V	C952	1-124-477-11	s	ELECT 47 20% 25V
C303	1-123-332-00	s	ELECT 47 20% 16V	C953	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C304	1-109-685-31	s	MICA 330PF 5% 500V	C955	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C305	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	C957	1-124-477-11	s	ELECT 47 20% 25V
C311	1-124-444-00	s	ELECT 220 20% 6.3V	C958	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C312	1-163-135-00	s	CERAMIC CHIP 560PF 5% 50V	C961	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C314	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V	C962	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C321	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V				
C323	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V				
C352	1-109-685-31	s	MICA 330PF 5% 500V	CN1	1-566-566-11	o	TX(P.L)(PC BOARD)40P
C353	1-123-332-00	s	ELECT 47 20% 16V	CN2	1-564-008-00	o	PIN, 9P
C354	1-109-685-31	s	MICA 330PF 5% 500V	CN3	1-506-471-11	o	PIN, 6P
C355	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	CN4	1-564-014-00	o	PIN, 4P
C361	1-124-444-00	s	ELECT 220 20% 6.3V	CN5	1-506-483-21	o	PIN, 4P
C362	1-163-135-00	s	CERAMIC CHIP 560PF 5% 50V	CN6	1-564-015-00	o	PIN, 5P
C364	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V				
C371	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V				
C401	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V				
C402	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V				
C408	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	CP851	1-464-800-12	s	OSCILLATOR BLOCK, ERASE
C409	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	CP901	1-464-856-11	s	OSCILLATION BLOCK (BIAS)
C410	1-124-462-00	s	ELECT 10 20% 16V	CP902	1-464-855-12	s	OSCILLATION BLOCK (ERASE)
C420	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V	CP951	1-464-856-11	s	OSCILLATION BLOCK (BIAS)
C421	1-135-093-21	s	TANTAL. CHIP 10 10% 16V	CP952	1-464-885-12	s	OSCILLATION BLOCK (ERASE)
C451	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V	D3	8-719-100-05	s	IS2837
C452	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V	D4	8-719-101-23	s	ISS123
C458	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	D5	8-719-100-05	s	IS2837
C459	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	D6	8-719-100-05	s	IS2837
2)C461	1-163-115-00	s	CERAMIC CHIP 82PF 5% 50V	D302	8-719-100-05	s	IS2837
C541	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	D303	8-719-100-05	s	IS2837
C561	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	D352	8-719-100-05	s	IS2837
C581	1-124-443-00	s	ELECT 100 20% 6.3V	D401	8-719-101-23	s	ISS123
C583	1-124-443-00	s	ELECT 100 20% 6.3V	D402	8-719-101-23	s	ISS123
C602	1-135-093-21	s	TANTAL. CHIP 10 10% 16V	D451	8-719-101-23	s	ISS123
C607	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V	D501	8-719-100-05	s	IS2837
C610	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V	D502	8-719-100-05	s	IS2837
C612	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V	D503	8-719-101-23	s	ISS123
C615	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V	D504	8-719-101-23	s	ISS123
C619	1-124-442-00	s	ELECT 330 20% 6.3V	D505	8-719-101-23	s	ISS123
C621	1-124-444-00	s	ELECT 220 20% 6.3V				
C622	1-124-444-00	s	ELECT 220 20% 6.3V				
C625	1-124-442-00	s	ELECT 330 20% 6.3V				
C628	1-164-161-11	s	CERAMIC CHIP 2200PF 10% 50V				
C632	1-135-076-21	s	TANTAL. CHIP 1 10% 35V				

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
D601	8-719-105-82	s	RD5.1M-B2	LV302	1-410-853-12	s	VAR, COIL 4.5mH
D602	8-719-105-82	s	RD5.1M-B2	LV351	1-407-298-00	s	MICRO 4.5mH
D851	8-719-106-98	s	RD1GM-B	LV352	1-410-853-12	s	VAR, COIL 4.5mH
D852	8-719-100-03	s	IS2835	LV901	1-407-576-00	s	VAR 220
D901	8-719-106-89	s	RD15M-B2	LV951	1-407-576-00	s	VAR 220
D902	8-719-100-03	s	IS2835	Q1	8-729-901-06	s	DTA144EK
D903	8-719-106-53	s	RD10M-B2	Q2	8-729-216-21	s	2SA1162-Y
D905	8-719-106-98	s	RD16M-B	Q3	8-729-901-06	s	DTA144EK
D951	8-719-106-89	s	RD15M-B2	Q4	8-729-216-21	s	2SA1162-Y
D953	8-719-106-53	s	RD10M-B2	Q5	8-729-271-22	s	2SC2712-G
D955	8-719-106-98	s	RD16M-B	Q6	8-729-271-22	s	2SC2712-G
FL501	1-236-011-11	s	LOW PASS	Q7	8-729-271-22	s	2SC2712-G
FL502	1-236-011-11	s	LOW PASS	Q8	8-729-271-22	s	2SC2712-G
FL503	1-236-012-11	s	BAND PASS	Q9	8-729-901-06	s	DTA144EK
FL504	1-236-013-11	s	BAND PASS	Q10	8-729-901-06	s	DTA144EK
FL505	1-236-015-11	s	BAND PASS	Q11	8-729-901-06	s	DTA144EK
FL506	1-236-015-11	s	BAND PASS	Q12	8-729-901-06	s	DTA144EK
Q101	8-759-208-11	s	TC4053BFIB (TOSHIBA)	Q13	8-729-271-22	s	2SC2712-G
Q102	8-759-700-84	s	NJM2041M-D (JRC)	Q14	8-729-271-22	s	2SC2712-G
Q103	1-236-171-11	s	FILTER, LOW PASS	Q101	8-729-178-55	s	2SC2785-E
Q104	8-741-148-90	s	SBX1489-01 (SONY)	Q102	8-729-202-38	s	2SC3326N
Q108	8-759-745-64	s	NJM4560M (JRC)	Q103	8-729-202-38	s	2SC3326N
Q201	8-759-208-11	s	TC4053BFIB (TOSHIBA)	Q104	8-729-202-38	s	2SC3326N
Q202	8-759-700-84	s	NJM2041M-D (JRC)	Q105	8-729-202-38	s	2SC3326N
Q301	8-759-700-09	s	NJM2043M-D (JRC)	Q106	8-729-202-38	s	2SC3326N
Q302	8-759-200-83	s	TC4071BF (TOSHIBA)	Q201	8-729-178-55	s	2SC2785-E
Q401	8-759-700-84	s	NJM2041M-D (JRC)	Q202	8-729-178-55	s	2SC2785-E
Q402	8-759-208-11	s	TC4053BFIB (TOSHIBA)	Q203	8-729-202-38	s	2SC3326N
Q403	1-236-003-11	s	FILTER, LOW PASS	Q204	8-729-202-38	s	2SC3326N
Q405	8-759-708-05	s	NJM78L05A (JRC)	Q205	8-729-202-38	s	2SC3326N
Q451	8-759-700-84	s	NJM2041M-D (JRC)	Q206	8-729-202-38	s	2SC3326N
Q452	8-759-208-11	s	TC4053BFIB (TOSHIBA)	Q301	8-729-202-38	s	2SC3326N
Q501	8-759-700-84	s	NJM2041M-D (JRC)	Q304	8-729-202-38	s	2SC3326N
Q502	8-759-700-84	s	NJM2041M-D (JRC)	Q305	8-729-271-22	s	2SC2712-G
Q503	8-759-403-78	s	AN3920K(MATSUSHITA)	Q306	8-729-271-22	s	2SC2712-G
QCT01	8-759-200-82	s	TC4069URF (TOSHIBA)	Q307	8-729-202-38	s	2SC3326N
QC901	8-759-200-83	s	TC4071BF (TOSHIBA)	Q308	8-729-901-01	s	DTC144EK
L501	1-408-789-21	s	CHIP 100	Q309	8-729-216-21	s	2SA1162-Y
L502	1-408-789-21	s	CHIP 100	Q310	8-729-901-06	s	DTA144EK
L503	1-408-789-21	s	CHIP 100	Q311	8-729-901-06	s	DTA144EK
L591	1-408-797-11	s	CHIP 470	Q331	8-729-109-44	s	2SK94
L592	1-408-797-11	s	CHIP 470	Q332	8-729-901-01	s	DTC144EK
L801	1-408-794-00	s	CHIP 270	Q333	8-729-202-38	s	2SC3326N
LV101	1-410-854-12	s	VAR, COIL 18mH	Q334	8-729-901-06	s	DTA144EK
LV102	1-410-854-12	s	VAR, COIL 18mH	Q351	8-729-202-38	s	2SC3326N
LV201	1-410-854-12	s	VAR, COIL 18mH	Q354	8-729-202-38	s	2SC3326N
LV202	1-410-854-12	s	VAR, COIL 18mH	Q355	8-729-271-22	s	2SC2712-G
LV301	1-407-298-00	s	MICRO 4.5mH	Q356	8-729-271-22	s	2SC2712-G
				Q357	8-729-202-38	s	2SC3326N
				Q358	8-729-901-01	s	DTC144EK
				Q359	8-729-216-21	s	2SA1162-Y
				Q360	8-729-901-06	s	DTA144EK
				Q381	8-729-109-44	s	2SK94
				Q382	8-729-901-01	s	DTC144EK

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
Q383	8-729-202-38	s	2SC3326N	Q912	8-729-901-0G	s	DTA144EK
Q401	8-729-202-38	s	2SC3326N	Q913	8-729-203-38	s	2SC3326N
Q402	8-729-901-01	s	DTC144EK	Q914	8-729-203-38	s	2SC3326N
Q403	8-729-901-06	s	DTA144EK	Q915	8-729-271-22	s	2SC2712-G
Q406	8-729-202-38	s	2SC3326N	Q916	8-729-271-22	s	2SC2712-G
Q451	8-729-202-38	s	2SC3326N	Q951	8-729-200-46	s	2SD1160
Q456	8-729-202-38	s	2SC3326N	Q952	8-729-216-21	s	2SA1162-Y
Q457	8-729-901-06	s	DTA144EK	Q953	8-729-271-22	s	2SC2712-G
Q501	8-729-271-22	s	2SC2712-G	Q954	8-729-982-22	s	2SB822
Q502	8-729-271-22	s	2SC2712-G	Q955	8-729-271-22	s	2SC2712-G
Q503	8-729-271-22	s	2SC2712-G	Q956	8-729-271-22	s	2SC2712-G
Q505	8-729-271-22	s	2SC2712-G	Q957	8-729-200-46	s	2SD1160
Q506	8-729-271-22	s	2SC2712-G	Q958	8-729-901-06	s	DTA144EK
Q507	8-729-901-06	s	DTA144EK	Q959	8-729-271-22	s	2SC2712-G
Q508	8-729-271-22	s	2SC2712-G	Q960	8-729-982-22	s	2SB822
Q509	8-729-216-21	s	2SA1162-Y	Q961	8-729-901-01	s	DTC144EK
Q510	8-729-271-22	s	2SC2712-G	Q962	8-729-901-06	s	DTA144EK
Q511	8-729-216-21	s	2SA1162-Y	Q963	8-729-202-38	s	2SC3326N
Q512	8-729-271-22	s	2SC2712-G	Q964	8-729-203-38	s	2SC3326N
Q513	8-729-271-22	s	2SC2712-G	Q965	8-729-271-22	s	2SC2712-G
Q514	8-729-271-22	s	2SC2712-G	Q966	8-729-271-22	s	2SC2712-G
Q515	8-729-271-22	s	2SC2712-G	R6	1-216-748-11	s	METAL CHIP 39k 5% 1/10W
Q516	8-729-271-22	s	2SC2712-G	R331	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
Q517	8-729-271-22	s	2SC2712-G	R334	1-216-673-11	s	METAL CHIP 8.2k 0.50% 1/10W
Q518	8-729-271-22	s	2SC2712-G	R381	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
Q601	8-729-905-52	s	2SD1055	R384	1-216-673-11	s	METAL CHIP 8.2k 0.50% 1/10W
Q602	8-729-982-22	s	2SB822	R543	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
Q603	8-729-982-22	s	2SB822	R544	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
Q604	8-729-271-22	s	2SC2712-G	R545	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
Q605	8-729-216-21	s	2SA1162-Y	R563	1-216-670-11	s	METAL CHIP 6.2k 0.50% 1/10W
Q606	8-729-271-22	s	2SC2712-G	R564	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
Q607	8-729-271-22	s	2SC2712-G	R618	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
Q608	8-729-216-21	s	2SA1162-Y	R619	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
Q609	8-729-271-22	s	2SC2712-G	R624	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
Q610	8-729-901-01	s	DTC144EK	R626	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
Q611	8-729-982-22	s	2SB822	R628	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
Q612	8-729-901-01	s	DTC144EK	R630	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
Q701	8-729-900-89	s	DTC144ES	RV2	1-228-472-00	s	VAR, CERMET 2k
Q808	8-729-901-06	s	DTA144EK	RV3	1-228-475-00	s	VAR, CERMET 20k
Q809	8-729-901-01	s	DTA144EK	RV4	1-228-472-00	s	VAR, CERMET 2k
Q810	8-729-901-06	s	DTA144EK	RV101	1-230-526-11	s	VAR, METAL GLAZE 47k
Q851	8-729-901-06	s	DTA144EK	RV102	1-230-523-11	s	VAR, METAL GLAZE 10k
Q852	8-729-901-06	s	DTA144EK	RV103	1-230-523-11	s	VAR, METAL GLAZE 10k
Q853	8-729-271-22	s	2SC2712-G	RV201	1-230-526-11	s	VAR, METAL GLAZE 47k
Q854	8-729-982-22	s	2SB822	RV202	1-230-523-11	s	VAR, METAL GLAZE 10k
Q857	8-729-200-46	s	2SD1160	RV203	1-230-523-11	s	VAR, METAL GLAZE 10k
Q858	8-729-271-22	s	2SC2712-G	RV301	1-230-521-11	s	VAR, METAL GLAZE 2.2k
Q859	8-729-901-06	s	DTC144EK	RV302	1-230-522-11	s	VAR, METAL GLAZE 4.7k
Q860	8-729-901-01	s	DTC144EK	RV303	1-230-522-11	s	VAR, METAL GLAZE 4.7k
Q861	8-729-901-01	s	DTC144EK	RV304	1-230-528-11	s	VAR, METAL GLAZE 220k
Q901	8-729-200-46	s	2SD1160	RV351	1-230-521-11	s	VAR, METAL GLAZE 2.2k
Q902	8-729-216-21	s	2SA1162-Y	RV352	1-230-522-11	s	VAR, METAL GLAZE 4.7k
Q903	8-729-271-22	s	2SC2712-G				
Q904	8-729-982-22	s	2SB822				
Q905	8-729-271-22	s	2SC2712-G				
Q906	8-729-271-22	s	2SC2712-G				
Q907	8-729-200-46	s	2SD1160				
Q908	8-729-901-06	s	DTA144EK				
Q909	8-729-271-22	s	2SC2712-G				
Q910	8-729-982-22	s	2SB822				
Q911	8-729-901-01	s	DTC144EK				

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

RV353 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV354 1-230-528-11 s VAR, METAL GLAZE 220k
 RV402 1-230-526-11 s VAR, METAL GLAZE 47k
 RV403 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV404 1-228-458-00 s VAR, CERMET 5k

RV405 1-230-523-11 s VAR, METAL GLAZE 10k
 RV452 1-230-526-11 s VAR, METAL GLAZE 47k
 RV453 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV454 1-228-457-00 s VAR, CERMET 2k
 RV455 1-230-523-11 s VAR, METAL GLAZE 10k

RV547 1-230-520-11 s VAR, METAL GLAZE 1k
 RV548 1-230-523-11 s VAR, METAL GLAZE 10k
 RV549 1-228-460-00 s VAR, CERMET 20k
 RV550 1-230-526-11 s VAR, METAL GLAZE 47k
 RV551 1-230-527-11 s VAR, METAL GLAZE 100k

RV701 1-230-526-11 s VAR, METAL GLAZE 47k
 RV702 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV801 1-230-524-11 s VAR, METAL GLAZE 22k
 RV851 1-230-521-11 s VAR, METAL GLAZE 2.2k
 RV901 1-230-519-11 s VAR, METAL GLAZE 470

RV902 1-230-519-11 s VAR, METAL GLAZE 470
 RV903 1-230-521-11 s VAR, METAL GLAZE 2.2k
 RV951 1-230-519-11 s VAR, METAL GLAZE 470
 RV952 1-230-519-11 s VAR, METAL GLAZE 470
 RV953 1-230-521-11 s VAR, METAL GLAZE 2.2k

S1 1-570-373-11 s SLIDE
 S2 1-570-374-11 s SLIDE

BC-14 BOARD

A 1-622-898-12 o PRINTED CIRCUIT BOARD, BC-14

1-553-189-11 o HOLDER, FUSE

A FI 1-532-749-11 s GLASS TUBE 8A

BC-17 BOARD

A 1-631-613-11 o PRINTED CIRCUIT BOARD, BC-17

BT1 1-528-291-11 BATTERY, SUPER LITHIUM

C1 1-124-893-11 s ELECT 2200 20% 10V

D1 8-719-981-01 s ERA81-004

R1 1-249-417-11 s CARBON 1K 5% 1/4W

Ref No. Parts No. SP Description

BF-29 BOARD

A-6725-576-A o MOUNTED CIRCUIT BOARD, BF-29

C1 1-135-088-21 s TANTAL. CHIP 2.2 10% 20V
 C3 1-135-100-21 s TANTAL. CHIP 6.8 20% 6.3V
 C4 1-135-100-21 s TANTAL. CHIP 6.8 20% 6.3V
 C5 1-135-100-21 s TANTAL. CHIP 6.8 20% 6.3V
 C6 1-135-100-21 s TANTAL. CHIP 6.8 20% 6.3V

C8 1-135-088-21 s TANTAL. CHIP 2.2 10% 20V

CN1 1-564-002-00 o PIN, 3P
 CN2 1-564-007-00 o PIN, 8P
 CN3 1-564-006-11 o PIN, 7P

FBI 1-543-309-12 s BEAD, FERRITE

IC1 8-759-100-97 s uPC339G2 (NEC)
 IC2 8-759-208-11 s TC4053BFHB (TOSHIBA)

Q1 8-729-201-27 s 2SC2715-Y
 Q2 8-729-210-21 s 2SA1162-Y
 Q3 8-729-216-21 s 2SA1162-Y

RV1 1-237-763-11 s VAR, CARBON 5k
 RV2 1-230-524-11 s VAR, METAL GLAZE 22k
 RV3 1-237-764-12 s VAR, CARBON 100k

Parts that are not listed in the "reference numbers order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

CEC-3P BOARD

This board includes the CF-29, CL-15, CL-16, DL-14, DL-15, DL-17, ED-18, EQ-23, LM-15, LM-16 and NR-18 Boards.

A-6711-868-A o MOUNTED CIRCUIT BOARD, CEC-3P

C5 1-124-444-00 s ELECT 220 20% 6.3V
 C7 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C9 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C10 1-124-444-00 s ELECT 220 20% 6.3V
 C13 1-135-093-21 s TANTAL. CHIP 10 10% 10V

C14 1-135-083-00 s TANTAL. CHIP 0.47 10% 25V
 C19 1-135-093-21 s TANTAL. CHIP 10 10% 10V
 C26 1-135-099-00 s TANTAL. CHIP 2.2 10% 6.3V
 C27 1-135-099-00 s TANTAL. CHIP 2.2 10% 6.3V
 C29 1-162-638-11 s CERAMIC CHIP 1 16V

C31 1-124-236-00 s ELECT 47 20% 10V
 C33 1-126-154-11 s ELECT 47 20% 6.3V
 C35 1-126-154-11 s ELECT 47 20% 6.3V
 C37 1-126-154-11 s ELECT 47 20% 6.3V
 C38 1-126-154-11 s ELECT 47 20% 6.3V

C39 1-124-120-11 s ELECT 220 20% 16V
 C40 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C45 1-126-154-11 s ELECT 47 20% 6.3V
 C47 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C48 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C49 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C51 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C53 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C55 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C56 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V

C58 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C69 1-163-111-00 s CERAMIC CHIP 56PF 5% 50V
 C70 1-163-111-00 s CERAMIC CHIP 56PF 5% 50V
 C72 1-163-119-00 s CERAMIC CHIP 120PF 5% 50V
 C74 1-135-103-00 s TANTAL. CHIP 3.3 10% 4V

C75 1-135-103-00 s TANTAL. CHIP 3.3 10% 4V
 C86 1-163-103-00 s CERAMIC CHIP 27PF 5% 50V
 C87 1-163-103-00 s CERAMIC CHIP 27PF 5% 50V
 C121 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C123 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V

C124 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C141 1-123-622-00 s ELECT 22 20% 16V
 C142 1-124-638-11 s ELECT 22 20% 10V
 C147 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C148 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C149 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C150 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C166 1-126-154-11 s ELECT 47 20% 6.3V
 C167 1-126-154-11 s ELECT 47 20% 6.3V
 C168 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C169 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C170 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C171 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C195 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C196 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C197 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C198 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C199 1-162-726-11 s CERAMIC CHIP 470PF 5% 50V
 C502 1-135-093-21 s TANTAL. CHIP 10 10% 10V
 C503 1-135-083-00 s TANTAL. CHIP 0.47 10% 25V

Ref No. Parts No. SP Description

C509 1-135-093-21 s TANTAL. CHIP 10 10% 10V
 C512 1-135-093-21 s TANTAL. CHIP 10 10% 10V
 C537 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C549 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C557 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C558 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C571 1-163-103-00 s CERAMIC CHIP 27PF 5% 50V
 C573 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C582 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C583 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C584 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C585 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C587 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

CN1 1-566-566-11 o TX(P.L) (PC BOARD)40P

D41 8-719-101-23 s ISS123

D42 8-719-106-16 s RD6.8M-B1

D43 8-719-106-16 s RD6.8M-B1

D502 8-719-101-23 s ISS123

D503 8-719-100-03 s IS2835

D504 8-719-101-23 s ISS123

FB1 1-543-309-12 s BE AD. FERRITE

FL1 1-235-322-11 s LOW PASS (LPF-B)
 FL2 1-235-322-11 s LOW PASS (LPF-B)
 FL3 1-235-759-11 s LOW PASS
 FL4 1-235-759-11 s LOW PASS
 FL5 1-235-321-11 s LOW PASS (LPF-A)

FL6 1-235-321-11 s LOW PASS (LPF-A)
 FL151 1-235-321-11 s LOW PASS (LPF-A)
 FL152 1-235-321-11 s LOW PASS (LPF-A)

IC1 1-808-038-21 s BS-6336A
 IC2 8-759-240-53 s TC4053BF (TOSHIBA)
 IC3 8-759-201-47 s TA7357AP (TOSHIBA)
 IC4 8-759-902-88 s SN74LS123NS (TI)
 IC5 8-759-907-81 s SN74LS221NS (TI)

IC6 8-749-901-21 s BX1461 (SONY)
 IC7 8-759-931-43 s SN74LS624NS (TI)
 IC8 8-759-400-06 s AN608P (MATSUSHITA)
 IC9 8-759-400-06 s AN608P (MATSUSHITA)

9) IC10 1-808-038-11 s BS-6336

10) IC10 1-808-038-21 s BS-6336A
 IC11 8-759-240-53 s TC4053BF (TOSHIBA)
 IC12 8-759-240-53 s TC4053BF (TOSHIBA)
 IC13 1-808-038-21 s BS-6336A
 IC14 8-759-240-53 s TC4053BF (TOSHIBA)

IC15 1-808-743-11 s CIRCUIT UNIT, HIC. VA
 IC151 8-759-240-53 s TC4053BF (TOSHIBA)
 IC152 1-808-038-21 s BS-6336A
 IC153 8-759-208-09 s TC4052BFHB (TOSHIBA)
 IC154 8-759-200-99 s TC4051BF (TOSHIBA)

IC155 8-759-208-09 s TC4052BFHB (TOSHIBA)

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
IC156	8-759-200-99	s	TC4051BF (TOSHIBA)	L519	1-408-785-21	s	CHIP 47
IC157	1-808-038-21	s	BS-6336A	L520	1-408-785-21	s	CHIP 47
IC158	1-808-038-21	s	BS-6336A	L546	1-408-785-21	s	CHIP 47
IC159	1-808-038-21	s	BS-6336A	L547	1-408-785-21	s	CHIP 47
IC160	8-759-908-17	s	TL082CPS (TI)	L548	1-408-785-21	s	CHIP 47
IC501	8-759-201-47	s	TA7357AP(TI)	L559	1-408-785-21	s	CHIP 47
IC502	8-759-105-49	s	uPC319G2 (NEC)	L589	1-408-785-21	s	CHIP 47
IC503	8-759-925-90	s	SN74HC74NS (TI)	Q1	8-729-216-21	s	2SA1162-Y
IC504	8-759-908-17	s	TL082CPS (TI)	Q2	8-729-201-27	s	2SC2715-Y
IC505	8-759-907-81	s	SN74LS221NS (TI)	Q3	8-729-216-21	s	2SA1162-Y
IC506	8-759-210-53	s	TC4053BF (TOSHIBA)	Q4	8-729-201-27	s	2SC2715-Y
IC507	8-759-907-81	s	SN74LS221NS (TI)	Q6	8-729-901-01	s	DTC144EK
IC508	8-759-907-81	s	SN74LS221NS (TI)	Q7	8-729-901-01	s	DTC144EK
IC509	8-749-901-21	s	BX146I (SONY)	Q9	8-729-201-27	s	2SC2715-Y
IC510	8-759-908-17	s	TL082CPS (TI)	Q10	8-729-201-27	s	2SC2715-Y
IC511	1-464-608-21	s	CIRCUIT UNIT, VCO	Q16	8-729-216-21	s	2SA1162-Y
IC512	8-759-907-81	s	SN74LS221NS (TI)	Q17	8-729-201-27	s	2SC2715-Y
IC513	8-759-907-81	s	SN74LS221NS (TI)	Q20	8-729-201-27	s	2SC2715-Y
IC514	8-759-204-94	s	TC74HC00F (TOSHIBA)	Q21	8-729-216-21	s	2SA1162-Y
IC515	8-759-907-81	s	SN74LS221NS (TI)	Q31	8-729-201-27	s	2SC2715-Y
IC516	8-759-907-81	s	SN74LS221NS (TI)	Q32	8-729-201-27	s	2SC2715-Y
IC517	8-749-901-21	s	BX146I (SONY)	Q33	8-729-216-21	s	2SA1162-Y
IC518	1-464-608-21	s	CIRCUIT UNIT, VCO	Q34	8-729-216-21	s	2SA1162-Y
IC520	8-759-922-29	s	CX23084 (SONY)	Q41	8-729-982-22	s	2SB822
IC521	8-759-204-94	s	TC74HC00F (TOSHIBA)	Q42	8-729-982-22	s	2SB822
IC523	8-759-925-85	s	SN74HC32NS (TI)	Q43	8-729-982-22	s	2SB822
L1	1-408-778-21	s	CHIP 12	Q44	8-729-901-01	s	DTC144EK
L31	1-408-785-21	s	CHIP 47	Q45	8-729-905-52	s	2SD1055-R
L32	1-408-785-21	s	CHIP 47	Q46	8-729-982-22	s	2SB822
L33	1-408-785-21	s	CHIP 47	Q47	8-729-901-01	s	DTC144EK
L34	1-408-785-21	s	CHIP 47	Q48	8-729-905-52	s	2SD1055-R
L35	1-408-785-21	s	CHIP 47	Q151	8-729-201-27	s	2SC2715-Y
L41	1-408-785-21	s	CHIP 47	Q152	8-729-201-27	s	2SC2715-Y
L42	1-408-785-21	s	CHIP 47	Q153	8-729-201-27	s	2SC2715-Y
L43	1-408-785-21	s	CHIP 47	Q154	8-729-216-21	s	2SA1162-Y
L44	1-408-785-21	s	CHIP 47	Q155	8-729-201-27	s	2SC2715-Y
L61	1-408-785-21	s	CHIP 47	Q156	8-729-216-21	s	2SA1162-Y
L62	1-408-785-21	s	CHIP 47	Q157	8-729-216-21	s	2SA1162-Y
L63	1-408-785-21	s	CHIP 47	Q501	8-729-200-86	s	2SC2714-0
L64	1-408-785-21	s	CHIP 47	Q901	8-729-216-21	s	2SA1162-Y
L71	1-408-778-21	s	CHIP 12	R2	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
L81	1-408-785-21	s	CHIP 47	R3	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
L82	1-408-785-21	s	CHIP 47	R5	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
L131	1-408-785-21	s	CHIP 47	R6	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W
L132	1-408-785-21	s	CHIP 47	R7	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
L151	1-408-785-21	s	CHIP 47	R8	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W
L152	1-410-713-21	s	CHIP 47	R10	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
L153	1-410-713-21	s	CHIP 47	R11	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
L154	1-408-787-00	s	CHIP 68	R14	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
L161	1-408-785-21	s	CHIP 47	R15	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
L162	1-408-785-21	s	CHIP 47	R16	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
L163	1-408-777-00	s	CHIP 10	R27	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
L173	1-408-777-00	s	CHIP 10	R28	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
L181	1-408-785-21	s	CHIP 47				
L182	1-408-785-21	s	CHIP 47				
L518	1-408-785-21	s	CHIP 47				

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

R29 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R30 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R31 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R37 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R43 1-216-687-11 s METAL CHIP 33k 0.50% 1/10W
 R46 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R47 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R48 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W
 R51 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R52 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R53 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R56 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R57 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R58 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R63 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R68 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R71 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R94 1-216-748-11 s METAL CHIP 39k 5% 1/10W
 R97 1-216-748-11 s METAL CHIP 39k 5% 1/10W
 R101 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R102 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R103 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R104 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R105 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R106 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R107 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 R108 1-216-637-11 s METAL CHIP 270 0.50% 1/10W
 R111 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R114 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R115 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R116 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R117 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 R118 1-216-637-11 s METAL CHIP 270 0.50% 1/10W
 R124 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R151 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R152 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R153 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R154 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R155 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R157 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R158 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 R159 1-216-640-11 s METAL CHIP 360 0.5% 1/10W
 R161 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R162 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R164 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R165 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R166 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R170 1-216-655-11 s METAL CHIP 1500 0.50% 1/10W
 R171 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R172 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R174 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R175 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R176 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R178 1-216-655-11 s METAL CHIP 1500 0.50% 1/10W
 R181 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R182 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R184 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R185 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R186 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R191 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R192 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W

Ref No. Parts No. SP Description

R193 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 7)R500 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 8)R500 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R513 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
 R514 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R515 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R519 1-216-699-11 s METAL CHIP 100k 0.50% 1/10W
 R523 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
 R524 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R526 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R531 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R532 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R533 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R534 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R535 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W
 R536 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R539 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R540 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R541 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
 R542 1-216-687-11 s METAL CHIP 35k 0.50% 1/10W
 R543 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R544 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W
 R551 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R552 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R553 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R554 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R555 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W
 R556 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R558 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R559 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W
 RV2 1-228-458-00 s VAR, CERMET 5k
 RV3 1-228-456-00 s VAR, CERMET 1k
 RV4 1-228-458-00 s VAR, CERMET 5k
 RV5 1-228-457-00 s VAR, CERMET 2k
 RV151 1-228-456-00 s VAR, CERMET 1k
 RV152 1-228-456-00 s VAR, CERMET 1k
 RV501 1-228-459-00 s VAR, CERMET 10k
 RV502 1-228-457-00 s VAR, CERMET 2k
 RV503 1-228-459-00 s VAR, CERMET 10k
 RV504 1-228-457-00 s VAR, CERMET 2k
 RV505 1-228-459-00 s VAR, CERMET 10k
 RV506 1-228-459-00 s VAR, CERMET 10k
 RV507 1-228-477-00 s VAR, CERMET 100k
 TH1 1-800-200-00 s S-3K
 TH2 1-800-200-00 s S-3K
 TH3 1-800-202-XX s S-10K
 TH151 1-800-202-XX s S-10K
 TH152 1-800-202-XX s S-10K
 TH153 1-800-202-XX s S-10K
 TH154 1-800-198-XX s S-1K
 TH155 1-800-198-XX s S-1K
 TH501 1-800-200-00 s S-3K
 TH502 1-800-198-XX s S-1K
 TH503 1-800-202-XX s S-10K
 TH504 1-800-202-XX s S-10K
 S1 1-570-373-11 s SLIDE

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

X1 1-567-863-11 s VIBRATOR, CRYSTAL 10.6641MHz

CF-29 BOARD

All of the component parts on the CF-29 Board are supplied together when you order the CEC-3P Board.

1-622-868-11 o PRINTED CIRCUIT BOARD, CF-29

C3 1-135-124-21 s TANTAL. CHIP 22 20% 10V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-400-06 s AN608P (MATSUSHITA)

Q1 8-729-271-22 s 2SC2712-G
 Q2 8-729-271-22 s 2SC2712-G
 Q3 8-729-271-22 s 2SC2712-G
 Q6 8-729-216-21 s 2SA1162-Y
 Q7 8-729-216-21 s 2SA1162-Y

Q8 8-729-271-22 s 2SC2712-G
 Q9 8-729-271-22 s 2SC2712-G
 Q10 8-729-216-21 s 2SA1162-Y
 Q11 8-729-271-22 s 2SC2712-G
 Q12 8-729-271-22 s 2SC2712-G

Q13 8-729-216-21 s 2SA1162-Y
 Q14 8-729-216-21 s 2SA1162-Y
 Q15 8-729-271-22 s 2SC2712-G
 Q16 8-729-271-22 s 2SC2712-G
 Q17 8-729-271-22 s 2SC2712-G

CL-15 BOARD

All of the component parts on the CL-15 Board are supplied together when you order the CEC-3P Board.

1-622-869-11 o PRINTED CIRCUIT BOARD, CL-15

C2 1-162-638-11 s CERAMIC CHIP 1 16V
C4 1-162-638-11 s CERAMIC CHIP 1 16V

Q1 8-729-109-44 s 2SK94
 Q2 8-729-109-44 s 2SK94
 Q3 8-729-109-44 s 2SK94
 Q11 8-729-109-44 s 2SK94
 Q12 8-729-109-44 s 2SK94

Q13 8-729-109-44 s 2SK94
 Q21 8-729-109-44 s 2SK94
 Q22 8-729-109-44 s 2SK94
 Q23 8-729-109-44 s 2SK94

Ref No. Parts No. SP Description

CL-16 BOARD

All of the component parts on the CL-16 Board are supplied together when you order the CEC-3P Board.

1-622-870-11 o PRINTED CIRCUIT BOARD, CL-16

C31 1-162-638-11 s CERAMIC CHIP 1 16V

C32 1-162-638-11 s CERAMIC CHIP 1 16V

Q1 8-729-201-27 s 2SC2715-Y
 Q2 8-729-109-44 s 2SK94
 Q3 8-729-109-44 s 2SK94
 Q4 8-729-109-44 s 2SK94
 Q11 8-729-201-27 s 2SC2715-Y

Q12 8-729-109-44 s 2SK94
 Q13 8-729-109-44 s 2SK94
 Q14 8-729-109-44 s 2SK94
 Q21 8-729-201-27 s 2SC2715-Y
 Q22 8-729-109-44 s 2SK94
 Q23 8-729-109-44 s 2SK94
 Q24 8-729-109-44 s 2SK94

CN-185 BOARD

1-622-905-15 s PRINTED CIRCUIT BOARD, CN-185

CN1 1-562-717-11 o SOCKET, 34P

R1 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R2 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R3 1-216-609-11 s METAL CHIP 18 0.50% 1/10W
 R4 1-216-621-11 s METAL CHIP 56 0.50% 1/10W
 R5 1-216-609-11 s METAL CHIP 18 0.50% 1/10W

R6 1-216-621-11 s METAL CHIP 56 0.50% 1/10W
 R7 1-216-624-11 s METAL CHIP 75 0.50% 1/10W

S1 1-571-098-11 s SLIDE

CO-8 BOARD

All of the component parts on the CO-8 Board are supplied together when you order the AU-93P Board.

1-622-885-11 o PRINTED CIRCUIT BOARD, CO-8

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C1 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C2 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C12 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C14 1-135-093-21 s TANTAL. CHIP 10 10% 6.3V
 C15 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C22 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C24 1-135-093-21 s TANTAL. CHIP 10 10% 6.3V
 C25 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

CN1 1-564-594-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-700-09 s NJM2043M-D(JRC)
 IC2 8-759-700-84 s NJM2041M-D(JRC)

L11 1-408-798-00 s CHIP 1mH
 L21 1-408-798-00 s CHIP 1mH

Q1 8-729-271-22 s 2SC2712-G
 Q2 8-729-216-21 s 2SA1162-Y

RV1 1-228-471-00 s VAR, CERMET 1k
 RV2 1-228-471-00 s VAR, CERMET 1k

CON-12 BOARD

1-622-913-13 o PRINTED CIRCUIT BOARD, CON-12

1-564-026-00 s CONTACT, RECEPTACLE

S1 1-570-857-11 s SLIDE
 S2 1-570-857-11 s SLIDE
 S3 1-570-857-11 s SLIDE

CP-114 BOARD

A-6713-296-A o MOUNTED CIRCUIT BOARD, CP-114

C1 1-124-360-00 s ELECT 1000 20% 16V
 C2 1-124-360-00 s ELECT 1000 20% 16V
 C15 1-124-443-00 s ELECT 100 20% 10V

IC1 8-749-901-29 s BX1481(SONY)
 IC2 8-749-901-29 s BX1481(SONY)
 IC3 8-749-901-29 s BX1481(SONY)
 IC4 8-749-901-29 s BX1481(SONY)

Ref No. Parts No. SP Description

R13 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R14 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R23 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R24 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R33 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R34 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R43 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R44 1-216-608-11 s METAL CHIP 16 0.50% 1/10W

CS-22 BOARD

1-622-900-12 o PRINTED CIRCUIT BOARD, CS-22

S1 1-571-064-11 s MICRO

DC-33 BOARD

All of the component parts on the DC-33 Board are supplied together when you order the AU-93P Board.

1-622-886-11 o PRINTED CIRCUIT BOARD, DC-33

C3 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C8 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

CON-12 BOARD

Q1 8-729-271-22 s 2SC2712-G
 Q2 8-729-271-22 s 2SC2712-G

RV1 1-228-475-00 s VAR, CERMET 20k
 RV2 1-228-474-11 s VAR, CERMET 10k
 RV3 1-228-475-00 s VAR, CERMET 20k
 RV4 1-228-474-00 s VAR, CERMET 10k

DC-35 BOARD

1-622-907-12 o PRINTED CIRCUIT BOARD, DC-35

C52 1-124-556-11 s ELECT 2200 20% 16V

D51 8-719-908-00 s ESAC33-02GS

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DE-19 BOARD

All of the component parts on the DE-19 Board are supplied together when you order the MB-157 Board.

I-622-871-12 o PRINTED CIRCUIT BOARD, DE-19

C11 1-161-494-00 s CERAMIC 0.022 25V

C12 1-124-255-00 s ELECT 1 20% 50V

C13 1-161-494-00 s CERAMIC 0.022 25V

C14 1-124-255-00 s ELECT 1 20% 50V

C15 1-161-494-00 s CERAMIC 0.022 25V

C16 1-124-255-00 s ELECT 1 20% 50V

C17 1-124-255-00 s ELECT 1 20% 50V

C18 1-124-255-00 s ELECT 1 20% 50V

CN23 I-566-482-11 o PIN, SOCKET 10P

D11 8-719-911-19 s ISS118

D12 8-719-911-19 s ISS119

D13 8-719-911-19 s ISS119

D14 8-719-911-19 s ISS119

D15 8-719-911-19 s ISS119

D16 8-719-911-19 s ISS118

IC11 8-759-007-40 s TL082CP (T1)

Q11 8-729-902-11 s 2SC2021

Q12 8-729-902-11 s 2SC2021

Q13 8-729-902-11 s 2SC2021

Q14 8-729-993-72 s 2SA937

Q15 8-729-902-11 s 2SC2021

DEC-49P BOARD

A-6727-142-A o MOUNTED CIRCUIT BOARD, DEC-49P
7-685-104-19 s SCREW + P 2X6 TYPE2 NON-SLIT

C1 1-124-225-00 s ELECT 100 20% 6.3V

C2 1-124-584-00 s ELECT 100 20% 10V

C3 1-124-589-11 s ELECT 47 20% 16V

C4 1-124-225-00 s ELECT 100 20% 6.3V

C5 1-124-589-11 s ELECT 47 20% 16V

C6 1-126-157-11 s ELECT 10 20% 16V

C7 1-124-584-00 s ELECT 100 20% 10V

C8 1-126-157-11 s ELECT 10 20% 16V

C9 1-124-225-00 s ELECT 100 20% 6.3V

C10 1-126-157-11 s ELECT 10 20% 16V

C11 1-124-225-00 s ELECT 100 20% 6.3V

C101 1-124-584-00 s ELECT 100 20% 10V

C102 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C103 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C104 1-124-225-00 s ELECT 100 20% 6.3V

Ref. No. Parts No. SP Description

C109 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C110 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C111 1-126-157-11 s ELECT 10 20% 16V

C112 1-163-111-00 s CERAMIC CHIP 50PF 5% 50V

C114 1-135-145-11 s TANTALUM CHIP 0.47 10% 35V

C118 1-126-157-11 s ELECT 10 20% 16V

C201 1-124-584-00 s ELECT 100 20% 10V

C202 1-124-584-00 s ELECT 100 20% 10V

C203 1-124-225-00 s ELECT 100 20% 6.3V

C205 1-124-225-00 s ELECT 100 20% 6.3V

C206 1-124-225-00 s ELECT 100 20% 6.3V

C209 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C210 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C211 1-126-154-11 s ELECT 47 20% 6.3V

C212 1-162-638-11 s CERAMIC CHIP 1 16V

C213 1-126-154-11 s ELECT 47 20% 6.3V

C301 1-124-229-00 s ELECT 33 20% 10V

C302 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C303 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C304 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C351 1-124-234-00 s ELECT 22 20% 16V

C352 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C356 1-135-155-21 s TANTAL CHIP 4.7 10% 16V

C358 1-162-638-11 s CERAMIC CHIP 1 16V

C359 1-135-155-21 s TANTAL CHIP 4.7 10% 16V

C360 1-135-155-21 s TANTAL CHIP 4.7 10% 16V

C361 1-135-155-21 s TANTAL CHIP 4.7 10% 16V

C364 1-162-638-11 s CERAMIC CHIP 1 16V

C401 1-124-225-00 s ELECT 100 20% 6.3V

C402 1-162-638-11 s CERAMIC CHIP 1 16V

C406 1-126-101-11 s ELECT 100 20% 16V

C407 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C411 1-135-155-21 s TANTAL CHIP 4.7 10% 16V

C501 1-124-584-00 s ELECT 100 20% 10V

C502 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C503 1-124-225-00 s ELECT 100 20% 6.3V

C504 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C508 1-162-638-11 s CERAMIC CHIP 1 16V

C509 1-124-584-00 s ELECT 100 20% 10V

C516 1-163-115-00 s CERAMIC CHIP 82PF 5% 50V

C517 1-124-584-00 s ELECT 100 20% 10V

C518 1-135-159-21 s TANTALUM CHIP 10 10% 20V

C519 1-135-145-11 s TANTALUM CHIP 0.47 10% 35V

C520 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C522 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C523 1-126-154-11 s ELECT 47 20% 6.3V

C524 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C525 1-126-154-11 s ELECT 47 20% 6.3V

C530 1-126-154-11 s ELECT 47 20% 6.3V

C531 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C532 1-126-154-11 s ELECT 47 20% 6.3V

C533 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C601 1-124-225-00 s ELECT 100 20% 6.3V

C602 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C603 1-126-154-11 s ELECT 47 20% 6.3V

C604 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C605 1-124-225-00 s ELECT 100 20% 6.3V

C606 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No.	Parts No.	SP Description	Ref. No.	Parts No.	SP Description
C607	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	DL101	1-415-404-31	s 280ns
C608	1-126-153-11 s	ELECT 22 20% 6.3V	DL351	1-415-404-31	s 280ns
C609	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	DL352	1-415-404-31	s 280ns
C612	1-126-157-11 s	ELECT 10 20% 16V	DL401	1-415-404-31	s 280ns
C613	1-135-073-00 s	TANTALUM CHIP 0.33 10% 35V	DL501	1-415-309-00	s 350ns
C614	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	DL502	1-415-339-00	s 300ns
C615	1-126-157-11 s	ELECT 10 20% 16V	FL201	1-236-070-11	s LOW PASS
C616	1-126-157-11 s	ELECT 10 20% 16V	FL501	1-235-759-11	s LOW PASS
C618	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	FL601	1-235-758-11	s LOW PASS
C619	1-126-154-11 s	ELECT 47 20% 6.3V	FL602	1-235-758-11	s LOW PASS
C620	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC1	8-759-100-95	s UPC324G2 (NEC)
C621	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC2	8-759-204-94	s TC74HC00F (TOSHIBA)
C622	1-126-153-11 s	ELECT 22 20% 6.3V	IC101	8-759-201-47	s TA735TAP (TOSHIBA)
C623	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC102	8-759-205-21	s TC74HC221F (TOSHIBA)
C626	1-126-157-11 s	ELECT 10 20% 16V	IC201	8-759-012-00	s MC10H116M (MOTOROLA)
C627	1-135-073-00 s	TANTALUM CHIP 0.33 10% 35V	IC351	8-752-201-30	s CX22013 (SONY)
C628	1-126-157-11 s	ELECT 10 20% 16V	IC352	8-752-030-30	s CXA1020P (SONY)
C630	1-126-153-11 s	ELECT 22 20% 6.3V	IC401	8-759-012-00	s MC10H116M (MOTOROLA)
C631	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC402	8-752-201-30	s CX22013 (SONY)
C632	1-126-153-11 s	ELECT 22 20% 6.3V	IC501	8-752-015-81	s CX20158 (SONY)
C633	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC601	8-759-111-69	s UPC1037HA (NEC)
C636	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC602	8-759-400-06	s AN60BP (MATSUSHITA)
C637	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC603	8-759-208-11	s TC4053BFHB (TOSHIBA)
C639	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC604	8-759-111-69	s UPC1037HA (NEC)
C640	1-126-157-11 s	ELECT 10 20% 16V	IC605	8-759-400-06	s AN60BP (MATSUSHITA)
C641	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC606	8-759-208-11	s TC4053BFHB (TOSHIBA)
C642	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC607	8-759-908-17	s TL082(PS (T1)
C643	1-126-154-11 s	ELECT 47 20% 6.3V	IC608	8-759-105-49	s UPC319G2 (NEC)
C644	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC609	8-759-908-92	s TL084Cns (T1)
C645	1-126-154-11 s	ELECT 47 20% 6.3V	IC610	8-759-208-11	s TC4053BFHB (TOSHIBA)
C647	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC611	8-759-012-00	s MC10H116M (MOTOROLA)
C648	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC612	8-759-012-03	s MC10H131M (MOTOROLA)
C652	1-135-074-21 s	TANTALUM CHIP 0.47 10% 35V	IC613	8-759-011-96	s MC10H107M (MOTOROLA)
C654	1-162-638-11 s	CERAMIC CHIP 1 16V	IC614	8-759-205-21	s TC74HC221F (TOSHIBA)
C656	1-162-638-11 s	CERAMIC CHIP 1 16V	IC615	8-759-205-21	s TC74HC221F (TOSHIBA)
C659	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC616	8-759-206-28	s TC74HC123F (TOSHIBA)
C660	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC617	8-759-008-82	s MC14013BF (MOTOROLA)
C661	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC618	8-759-008-82	s MC14013BF (MOTOROLA)
C682	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC619	8-759-204-94	s TC74HC00F (TOSHIBA)
C683	1-126-157-11 s	ELECT 10 20% 16V	IC620	8-759-925-72	s SN74LS221NS (T1)
C685	1-124-225-00 s	ELECT 100 20% 6.3V	IC621	8-759-902-88	s SN74LS123NS (T1)
C701	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC622	8-759-922-49	s SN74LS74ANS (T1)
C702	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC623	8-759-200-68	s TC4011BF (TOSHIBA)
C703	1-126-157-11 s	ELECT 10 20% 16V	IC625	8-759-941-27	s MB4002PF (FJ1JITSU)
C711	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC626	8-759-922-49	s SN74LS74ANS (T1)
C712	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC627	8-759-205-21	s TC74HC221F (TOSHIBA)
C713	1-126-157-11 s	ELECT 10 20% 16V	IC628	8-759-204-72	s TC40H164F (TOSHIBA)
C714	1-164-232-11 s	CERAMIC CHIP 0.01 10% 50V	IC629	8-759-907-81	s SN74LS221NS (T1)
CN1	1-566-566-11 o	TX (P.L)(PC BOARD) 40P	L101	1-408-781-00	s CHIP 22
CN2	1-506-469-11 o	PIN, 4P	L102	1-408-781-00	s CHIP 22
D1	8-719-106-16 s	R06.8M-B1	L105	1-410-470-11	s CHIP 10
D2	8-719-106-52 s	RD10M-B1	L109	1-408-777-00	s CHIP 10
D501	8-719-800-76 s	ISS226	L111	1-408-781-21	s CHIP 22
D502	8-719-800-76 s	ISS226	L201	1-408-781-00	s CHIP 22
D601	8-719-800-76 s	ISS226	L202	1-408-781-00	s CHIP 22
DG02	8-719-800-76 s	ISS226	L203	1-408-781-00	s CHIP 22
			L301	1-408-781-00	s CHIP 22
			L351	1-408-777-00	s CHIP 10

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No.	Parts No.	SP Description	Ref. No.	Parts No.	SP Description
L352	1-408-782-11	s CHIP 27	Q501	8-729-216-22	s 2SA1162
L401	1-408-781-00	s CHIP 22	Q502	8-729-201-26	s 2SC2715
L402	1-408-777-00	s CHIP 10	Q503	8-729-904-41	s FMY3
L501	1-408-777-00	s CHIP 10	Q504	8-729-201-26	s 2SC2715
L502	1-408-785-21	s CHIP 47	Q505	8-729-201-26	s 2SC2715
L503	1-410-464-31	s CHIP 3.3	Q506	8-729-201-26	s 2SC2715
L504	1-410-464-31	s CHIP 3.3	Q507	8-729-201-26	s 2SC2715
L505	1-410-470-11	s CHIP 10	Q508	8-729-201-26	s 2SC2715
L506	1-408-777-00	s CHIP 10	Q509	8-729-216-22	s 2SA1162
L507	1-408-777-00	s CHIP 10	Q510	8-729-216-22	s 2SA1162
L508	1-408-777-00	s CHIP 10	Q511	8-729-201-26	s 2SC2715
L509	1-408-777-00	s CHIP 10	Q512	8-729-201-26	s 2SC2715
L510	1-408-788-21	s CHIP 82	Q513	8-729-201-26	s 2SC2715
L511	1-408-771-11	s CHIP 3.3	Q514	8-729-122-63	s 2SA1226
L512	1-408-793-21	s CHIP 220	Q515	8-729-201-26	s 2SC2715
L601	1-408-781-00	s CHIP 22	Q516	8-729-201-26	s 2SC2715
L602	1-408-781-00	s CHIP 22	Q517	8-729-109-43	s 2SK94-X3
L603	1-408-781-00	s CHIP 22	Q518	8-729-202-38	s 2SC3326N
L605	1-408-781-00	s CHIP 22	Q519	8-729-216-22	s 2SA1162
L606	1-408-781-00	s CHIP 22	Q520	8-729-201-26	s 2SC2715
L608	1-408-784-11	s CHIP 39	Q521	8-729-216-22	s 2SA1162
L609	1-408-781-00	s CHIP 22	Q526	8-729-216-22	s 2SA1162
L611	1-408-781-00	s CHIP 22	Q527	8-729-201-26	s 2SC2715
L612	1-408-781-00	s CHIP 22	Q529	8-729-201-26	s 2SC2715
Q1	8-729-101-07	s 2SB798	Q601	8-729-216-22	s 2SA1162
Q2	8-729-216-22	s 2SA1162	Q602	8-729-201-26	s 2SC2715
Q3	8-729-901-01	s DTC144EK	Q603	8-729-202-38	s 2SC3326N
Q4	8-729-807-50	s 2SD1623	Q604	8-729-201-26	s 2SC2715
Q5	8-729-807-50	s 2SD1623	Q605	8-729-216-22	s 2SA1162
Q6	8-729-202-38	s 2SC3326N	Q606	8-729-201-26	s 2SC2715
Q7	8-729-807-50	s 2SD1623	Q607	8-729-202-38	s 2SC3326N
Q8	8-729-216-22	s 2SA1162	Q608	8-729-201-26	s 2SC2715
Q101	8-729-216-22	s 2SA1162	Q609	8-729-201-26	s 2SC2715
Q102	8-729-201-26	s 2SC2715	Q610	8-729-216-22	s 2SA1162
Q103	8-729-201-26	s 2SC2715	Q611	8-729-201-26	s 2SC2715
Q104	8-729-216-22	s 2SA1162	Q612	8-729-216-22	s 2SA1162
Q105	8-729-216-22	s 2SA1162	Q614	8-729-901-01	s DTC144EK
Q106	8-729-216-22	s 2SA1162	Q615	8-729-901-06	s DTA144EK
Q108	8-729-216-22	s 2SA1162	Q616	8-729-901-06	s DTA144EK
Q109	8-729-216-22	s 2SA1162	Q617	8-729-901-06	s DTA144EK
Q110	8-729-216-22	s 2SA1162	R103	1-216-651-11	s METAL CHIP 1K 0.50% 1/10W
Q201	8-729-201-26	s 2SC2715	R105	1-216-643-11	s METAL CHIP 470 0.50% 1/10W
Q202	8-729-200-87	s 2SC2714Y	R106	1-216-643-11	s METAL CHIP 470 0.50% 1/10W
Q203	8-729-200-87	s 2SC2714Y	R112	1-216-667-11	s METAL CHIP 4.7K 0.50% 1/10W
Q204	8-729-200-87	s 2SC2714Y	R118	1-216-635-11	s METAL CHIP 220 0.50% 1/10W
Q205	8-729-200-87	s 2SC2714Y	R119	1-216-635-11	s METAL CHIP 220 0.50% 1/10W
Q206	8-729-200-87	s 2SC2714Y	R128	1-216-671-11	s METAL CHIP 6.8K 0.50% 1/10W
Q301	8-729-903-10	s FMW1	R129	1-216-650-11	s METAL CHIP 910 0.50% 1/10W
Q302	8-729-201-26	s 2SC2715	R208	1-216-651-11	s METAL CHIP 1K 0.50% 1/10W
Q303	8-729-903-10	s FMW1	R210	1-216-647-11	s METAL CHIP 680 0.50% 1/10W
Q304	8-729-201-26	s 2SC2715	R212	1-216-651-11	s METAL CHIP 1K 0.50% 1/10W
Q305	8-729-201-26	s 2SC2715	R214	1-216-651-11	s METAL CHIP 1K 0.50% 1/10W
Q306	8-729-903-10	s FMW1	R216	1-216-619-11	s METAL CHIP 47 0.50% 1/10W
Q307	8-729-201-26	s 2SC2715	R230	1-216-649-11	s METAL CHIP 820 0.50% 1/10W
Q351	8-729-201-26	s 2SC2715	R231	1-216-651-11	s METAL CHIP 1K 0.50% 1/10W
Q352	8-729-201-26	s 2SC2715	R237	1-216-651-11	s METAL CHIP 1K 0.50% 1/10W
Q353	8-729-201-26	s 2SC2715	R301	1-216-674-11	s METAL CHIP 9.1K 0.50% 1/10W
Q354	8-729-216-22	s 2SA1162	R302	1-216-667-11	s METAL CHIP 4.7K 0.50% 1/10W
Q401	8-729-202-38	s 2SC3326N	R309	1-216-674-11	s METAL CHIP 9.1K 0.50% 1/10W
			R310	1-216-667-11	s METAL CHIP 4.7K 0.50% 1/10W

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Ref. No.	Parts No.	SP	Description	Ref. No.	Parts No.	SP	Description	
R317	1-216-674-11	s	METAL CHIP 9.1K 0.50% 1/10W	RV508	1-230-521-11	s	VAR. METAL GLAZE 2.2K	
R318	1-216-667-11	s	METAL CHIP 4.7K 0.50% 1/10W	RV509	1-230-523-11	s	VAR. METAL GLAZE 10K	
R350	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV510	1-230-524-11	s	VAR. METAL GLAZE 22K	
R353	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV511	1-230-524-11	s	VAR. METAL GLAZE 22K	
R355	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W	RV602	1-230-524-11	s	VAR. METAL GLAZE 22K	
R358	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV604	1-230-521-11	s	VAR. METAL GLAZE 2.2K	
R359	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV605	1-230-520-11	s	VAR. METAL GLAZE 1K	
R366	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	RV606	1-230-524-11	s	VAR. METAL GLAZE 22K	
R409	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV607	1-230-524-11	s	VAR. METAL GLAZE 22K	
R410	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV608	1-230-523-11	s	VAR. METAL GLAZE 10K	
R502	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W	RV609	1-230-523-11	s	VAR. METAL GLAZE 10K	
R503	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W	RV610	1-228-458-00	s	VAR. CERMET 5K	
R508	1-216-637-11	s	METAL CHIP 270 0.50% 1/10W	S201	1-570-373-12	s	SLIDE	
R510	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	TH351	1-800-200-00	s	S-3K	
R512	1-216-655-11	s	METAL CHIP 1.5K 0.50% 1/10W	TH352	1-800-198-11	s	S-1K	
R514	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	TH501	1-800-200-00	s	S-3K	
R515	1-216-681-11	s	METAL CHIP 18K 0.50% 1/10W	XI	1-577-183-11	s	OSCILLATOR, CRYSTAL 14.734475MHz	
R517	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	-----	-----	-----	-----	
R524	1-216-640-11	s	METAL CHIP 360 0.50% 1/10W	DL-13 BOARD	-----	-----	-----	
R530	1-216-655-11	s	METAL CHIP 1.5K 0.50% 1/10W	All of the component parts on the DL-13 Board are supplied together when you order the MDM-3P Board.	-----	-----	-----	
R532	1-216-677-11	s	METAL CHIP 12K 0.50% 1/10W	1-622-859-13	o	PRINTED CIRCUIT BOARD, DL-13	-----	
R533	1-216-653-11	s	METAL CHIP 1.2K 0.50% 1/10W	CNI	1-564-549-11	o	PIN. BOARD TO BOARD 10P	-----
R535	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W	FBI	1-543-309-12	s	BEAD, FERRITE	-----
R541	1-216-659-11	s	METAL CHIP 2.2K 0.50% 1/10W	FB2	1-543-309-12	s	BEAD, FERRITE	-----
R546	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	IC1	8-752-320-37	s	CXL5001M (SONY)	-----
R549	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	L1	1-408-784-11	s	CHIP 39	-----
R626	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	Q1	8-729-201-27	s	2SC2715-Y	-----
R628	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	Q2	8-729-216-21	s	2SA1162-Y	-----
R633	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W	Q3	8-729-216-21	s	2SA1162-Y	-----
R650	1-216-675-11	s	METAL CHIP 10K 0.50% 1/10W	RV610	1-228-475-00	s	VAR. CERMET 20k	-----
R651	1-216-683-11	s	METAL CHIP 22K 0.50% 1/10W	-----	-----	-----	-----	
R660	1-216-682-11	s	METAL CHIP 20K 0.50% 1/10W	-----	-----	-----	-----	
R661	1-216-682-11	s	METAL CHIP 2.5K 0.50% 1/10W	-----	-----	-----	-----	
R662	1-216-675-11	s	METAL CHIP 10K 0.50% 1/10W	-----	-----	-----	-----	
R663	1-216-675-11	s	METAL CHIP 10K 0.50% 1/10W	-----	-----	-----	-----	
R665	1-216-675-11	s	METAL CHIP 10K 0.50% 1/10W	-----	-----	-----	-----	
R685	1-216-675-11	s	METAL CHIP 10K 0.50% 1/10W	-----	-----	-----	-----	
R696	1-216-671-11	s	METAL CHIP 6.8K 0.50% 1/10W	-----	-----	-----	-----	
R714	1-216-678-11	s	METAL CHIP 13K 0.50% 1/10W	-----	-----	-----	-----	
R715	1-216-698-11	s	METAL CHIP 91K 0.50% 1/10W	-----	-----	-----	-----	
R722	1-216-659-11	s	METAL CHIP 2.2K 0.50% 1/10W	-----	-----	-----	-----	
RV201	1-230-520-11	s	VAR. METAL GLAZE 1K	-----	-----	-----	-----	
RV202	1-230-526-11	s	VAR. METAL GLAZE 47K	-----	-----	-----	-----	
RV203	1-230-519-11	s	VAR. METAL GLAZE 470	-----	-----	-----	-----	
RV301	1-230-521-11	s	VAR. METAL GLAZE 2.2K	-----	-----	-----	-----	
RV302	1-230-521-11	s	VAR. METAL GLAZE 2.2K	-----	-----	-----	-----	
RV303	1-230-521-11	s	VAR. METAL GLAZE 2.2K	-----	-----	-----	-----	
RV351	1-230-520-11	s	VAR. METAL GLAZE 1K	-----	-----	-----	-----	
RV401	1-230-522-11	s	VAR. METAL GLAZE 4.7K	-----	-----	-----	-----	
RV501	1-230-519-11	s	VAR. METAL GLAZE 470	-----	-----	-----	-----	
RV502	1-230-522-11	s	VAR. METAL GLAZE 4.7K	-----	-----	-----	-----	
RV503	1-230-521-11	s	VAR. METAL GLAZE 2.2K	-----	-----	-----	-----	
RV504	1-230-520-11	s	VAR. METAL GLAZE 1K	-----	-----	-----	-----	
RV505	1-230-519-11	s	VAR. METAL GLAZE 470	-----	-----	-----	-----	
RV506	1-230-520-11	s	VAR. METAL GLAZE 1K	-----	-----	-----	-----	
RV507	1-230-520-11	s	VAR. METAL GLAZE 1K	-----	-----	-----	-----	

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DL-14 BOARD

All of the component parts on the DL-14 Board are supplied together when you order the CEC-3P Board.

1-622-872-12 o PRINTED CIRCUIT BOARD, DL-14

C1 1-162-638-11 s CERAMIC CHIP I 16V
 C4 1-135-076-21 s TANTAL. CHIP I 10% 35V
 C5 1-135-076-21 s TANTAL. CHIP I 10% 35V

CN1 1-566-092-11 o PIN, BOARD TO BOARD 7P

FBI 1-543-309-12 s BEAD, FERRITE

IC1 8-752-329-48 s CXL5001M-2 (SONY)

Q1 8-729-109-44 s 2SK94
 Q2 8-729-109-44 s 2SK94
 Q3 8-729-109-44 s 2SK94
 Q5 8-729-201-27 s 2SC2715-Y

RV1 1-228-475-00 s VAR. CERMET 20k

DL-15 BOARD

All of the component parts on the DL-15 Board are supplied together when you order the CEC-3P Board.

1-622-873-12 o PRINTED CIRCUIT BOARD, DL-15

C1 1-162-638-11 s CERAMIC CHIP I 16V
 C5 1-135-076-21 s TANTAL. CHIP I 10% 35V
 C6 1-135-076-21 s TANTAL. CHIP I 10% 35V
 C7 1-135-076-21 s TANTAL. CHIP I 10% 35V
 C11 1-135-083-00 s TANTAL. CHIP 0.47 20% 25V

C21 1-135-083-00 s TANTAL. CHIP 0.47 20% 25V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

FBI 1-543-309-12 s BEAD, FERRITE

IC11 8-752-329-49 s CXL5002M-2 (SONY)
 IC12 8-752-329-48 s CXL5001M-2 (SONY)

Q13 8-729-201-27 s 2SC2715-Y
 Q23 8-729-201-27 s 2SC2715-Y

Ref No. Parts No. SP Description

R15 1-216-294-00 s METAL CHIP 10M 5% 1/8W
 R25 1-216-294-00 s METAL CHIP 10M 5% 1/8W

RV11 1-228-473-00 s VAR. CERMET 5k
 RV12 1-228-472-00 s VAR. CERMET 2k
 RV21 1-228-473-00 s VAR. CERMET 5k
 RV22 1-228-472-00 s VAR. CERMET 2k

DL-17 BOARD

All of the component parts on the DL-17 Board are supplied together when you order the CEC-3P Board.

1-622-874-12 o PRINTED CIRCUIT BOARD, DL-17

C1 1-162-638-11 s CERAMIC CHIP I 16V
 C5 1-135-076-21 s TANTAL. CHIP I 10% 35V
 C6 1-135-076-21 s TANTAL. CHIP I 10% 35V
 C7 1-135-076-21 s TANTAL. CHIP I 10% 35V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

FBI 1-543-309-12 s BEAD, FERRITE

IC11 8-752-329-48 s CXL5001M-2 (SONY)
 IC12 8-752-329-48 s CXL5001M-2 (SONY)

Q3 8-729-216-21 s 2SA1162-Y

RV11 1-228-473-00 s VAR. CERMET 5k
 RV12 1-228-472-00 s VAR. CERMET 2k
 RV21 1-228-473-00 s VAR. CERMET 5k
 RV22 1-228-472-00 s VAR. CERMET 2k

DM-58A BOARD

All of the component parts on the DM-58A Board are supplied together when you order the MDM-3P Board.

1-622-860-11 o PRINTED CIRCUIT BOARD, DM-58A

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

FBI 1-543-309-12 s BEAD, FERRITE

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

DM-58A, DO-19, DS-23, DUS-277, ED-18, ENC-11P

Ref No. Parts No. SP Description

IC1 8-759-012-00 s MC10H116M (MOTOROLA)
IC2 8-759-011-96 s MC10H107M (MOTOROLA)

L1 1-408-766-21 s CHIP 1.2

R9 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
R10 1-216-638-11 s METAL CHIP 300 0.50% 1/10W

RV608 1-228-470-00 s VAR. CERMET 500

DO-19 BOARD

All of the component parts on the DO-19 Board are supplied together when you order the MDM-3P Board.

1-623-216-13 o PRINTED CIRCUIT BOARD, DO-19

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-105-49 s uPC319G2 (NEC)
IC2 8-759-708-05 s NJM78L05A (JRC)

Q1 8-729-901-01 s DTC144EK

R2 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
R6 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W

RV620 1-228-472-00 s VAR. CERMET 2k
RV621 1-228-477-00 s VAR. CERMET 100k
RV624 1-228-472-00 s VAR. CERMET 2k

DS-23 BOARD

1-623-354-12 o PRINTED CIRCUIT BOARD, DS-23

1-564-012-00 o PIN. 2P

Ref No. Parts No. SP Description

DUS-277 BOARD

All of the component parts on the DUS-277 Board are supplied together when you order the MDM-3P Board.

1-628-116-11 o PRINTED CIRCUIT BOARD, DUS-277

L1 1-410-710-31 s CHIP 27uH

Q1 8-729-109-44 s 2SK94

R3 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
R4 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

ED-18 BOARD

All of the component parts on the ED-18 Board are supplied together when you order the CEC-3P Board.

1-622-875-11 o PRINTED CIRCUIT BOARD, ED-18

C1 1-162-638-11 s CERAMIC CHIP 1.16V
C2 1-162-638-11 s CERAMIC CHIP 1.16V

CN1 1-564-548-11 o PIN, BOARD TO BOARD 5P

I1 1-408-790-00 s CHIP 120
I2 1-408-793-21 s CHIP 220

Q1 8-729-201-27 s 2SC2715-Y
Q2 8-729-201-27 s 2SC2715-Y
Q3 8-729-201-27 s 2SC2715-Y
Q4 8-729-201-27 s 2SC2715-Y
Q5 8-729-201-27 s 2SC2715-Y

R3 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R12 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

ENC-11P BOARD

A-6727-141-A o MOUNTED CIRCUIT BOARD, ENC-11P
7-685-104-19 s SCREW +P 2X6 TYPE2 NON-SLIT

C1 1-124-589-11 s ELECT 47 20% 16V
C3 1-126-154-11 s ELECT 47 20% 6.3V
C5 1-126-154-11 s ELECT 47 20% 6.3V
C7 1-126-154-11 s ELECT 47 20% 6.3V
C9 1-126-154-11 s ELECT 47 20% 6.3V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
C10	1-126-154-11	s	ELECT 47 20% 6.3V	C525	1-135-159-21	s	TANTALUM CHIP 10 10% 20V
C12	1-126-154-11	s	ELECT 47 20% 6.3V	C526	1-135-159-21	s	TANTALUM CHIP 10 10% 20V
C51	1-124-471-00	s	ELECT 1000 20% 6.3V	C531	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V
C53	1-126-154-11	s	ELECT 47 20% 6.3V	C538	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V
C55	1-126-154-11	s	ELECT 47 20% 6.3V	C544	1-135-161-21	s	TANTALUM CHIP 22 10% 10V
C57	1-126-154-11	s	ELECT 47 20% 6.3V	C549	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V
C59	1-124-472-11	s	ELECT 470 20% 10V	C551	1-135-159-21	s	TANTALUM CHIP 10 10% 20V
C61	1-124-472-11	s	ELECT 470 20% 10V	C552	1-135-159-21	s	TANTALUM CHIP 10 10% 20V
C63	1-126-157-11	s	ELECT 10 20% 16V	C556	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V
C65	1-124-589-11	s	ELECT 47 20% 16V	C557	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V
C67	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V	C558	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V
10)C76	1-163-086-00	s	CERAMIC CHIP 3PF±0.25PF 50V	C563	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V
C82	1-135-166-21	s	TANTALUM CHIP 47 10% 10V	C564	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V
C84	1-135-159-21	s	TANTALUM CHIP 10 10% 20V	C565	1-135-159-21	s	TANTALUM CHIP 10 10% 20V
C85	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V	C601	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V
C86	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V	C613	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V
C112	1-162-638-11	s	CERAMIC CHIP 1.16V	C624	1-135-159-21	s	TANTALUM CHIP 10 10% 20V
C115	1-135-159-21	s	TANTALUM CHIP 10 10% 20V	C627	1-163-119-00	s	CERAMIC CHIP 120PF 5% 50V
C116	1-135-155-21	s	TANTAL CHIP 4.7 10% 16V	CN1	1-566-566-11	o	TX (P.L) PC BOARD 40P
C117	1-135-159-21	s	TANTALUM CHIP 10 10% 20V	CV351	1-141-245-00	s	CAP, TRIMMER 30PF
C122	1-124-443-00	s	ELECT 100 20% 10V				
C123	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V				
C125	1-124-443-00	s	ELECT 100 20% 10V				
C126	1-135-166-21	s	TANTALUM CHIP 47 10% 10V				
C136	1-135-166-21	s	TANTALUM CHIP 47 10% 10V				
C201	1-126-154-11	s	ELECT 47 20% 6.3V	D1	8-719-106-16	s	RD6.8M-B1
C203	1-126-154-11	s	ELECT 47 20% 6.3V	D53	8-719-106-16	s	RD6.8M-B1
C212	1-162-638-11	s	CERAMIC CHIP 1.16V	D54	8-719-106-16	s	RD6.8M-B1
C213	1-135-166-21	s	TANTALUM CHIP 47 10% 10V	D55	8-719-800-76	s	ISS226
C214	1-135-166-21	s	TANTALUM CHIP 47 10% 10V	D301	8-719-800-76	s	ISS226
C242	1-162-638-11	s	CERAMIC CHIP 1.16V	D331	8-719-104-31	s	IS2838
C243	1-135-166-21	s	TANTALUM CHIP 47 10% 10V	D501	8-719-100-03	s	IS2835
C244	1-135-166-21	s	TANTALUM CHIP 47 10% 10V	D502	8-719-100-03	s	IS2835
C281	1-124-589-11	s	ELECT 47 20% 16V	D503	8-719-800-76	s	ISS226
C283	1-126-154-11	s	ELECT 47 20% 6.3V	D504	8-719-800-76	s	ISS226
C291	1-135-159-21	s	TANTALUM CHIP 10 10% 20V	D505	8-719-800-76	s	ISS226
C301	1-126-154-11	s	ELECT 47 20% 6.3V	D506	8-719-800-76	s	ISS226
C303	1-126-154-11	s	ELECT 47 20% 6.3V	D507	8-719-800-76	s	ISS226
C308	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V	D508	8-719-945-91	s	1T33
C311	1-126-154-11	s	ELECT 47 20% 6.3V	D509	8-719-800-76	s	ISS226
C313	1-126-154-11	s	ELECT 47 20% 6.3V	D510	8-719-800-76	s	ISS226
C321	1-126-154-11	s	ELECT 47 20% 6.3V	D511	8-719-800-76	s	ISS226
C323	1-126-154-11	s	ELECT 47 20% 6.3V	D512	8-719-800-76	s	ISS226
C331	1-126-154-11	s	ELECT 47 20% 6.3V	D513	8-719-104-31	s	IS2838
C401	1-126-154-11	s	ELECT 47 20% 6.3V	D514	8-719-104-31	s	IS2838
C403	1-126-154-11	s	ELECT 47 20% 6.3V	D515	8-719-104-31	s	IS2838
C405	1-126-154-11	s	ELECT 47 20% 6.3V	DL51	1-415-168-00	s	200ns
C407	1-126-154-11	s	ELECT 47 20% 6.3V	DL52	1-415-404-21	s	226ns
C412	1-135-166-21	s	TANTALUM CHIP 47 10% 10V	FL51	1-236-179-11	s	LOW PASS 4MHz
C501	1-124-589-11	s	ELECT 47 20% 16V	FL201	1-235-181-00	s	BAND PASS 4.43MHz
C503	1-135-164-21	s	TANTALUM CHIP 22 20% 10V	IC1	8-759-937-61	s	S-81230AG (SEIKO I AND E)
C504	1-126-177-11	s	ELECT 100 20% 10V	IC2	8-759-941-79	s	S-80230AG (SEIKO I AND E)
C506	1-126-177-11	s	ELECT 100 20% 10V	IC51	8-759-208-11	s	TC4053BFHB (TOSHIBA)
C508	1-124-638-11	s	ELECT 22 20% 10V	IC52	8-752-030-80	s	CXA1039M (SONY)
C509	1-163-037-11	s	CERAMIC CHIP 0.022 10% 25V	IC53	8-752-015-81	s	CX20158 (SONY)
C510	1-135-159-21	s	TANTALUM CHIP 10 10% 20V	IC54	8-759-012-00	s	MC10H116M (MOTOROLA)
C511	1-162-637-11	s	CERAMIC CHIP 0.47 16V	IC55	8-752-201-30	s	CX22013 (SONY)
C517	1-135-159-21	s	TANTALUM CHIP 10 10% 20V	IC201	8-759-208-11	s	TC4053BFHB (TOSHIBA)
C518	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V	IC202	8-759-908-17	s	TL082CPS (TI)
C520	1-135-159-21	s	TANTALUM CHIP 10 10% 20V	IC203	8-759-208-11	s	TC4053BFHB (TOSHIBA)
C522	1-135-159-21	s	TANTALUM CHIP 10 10% 20V				
C523	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V				
C524	1-164-232-11	s	CERAMIC CHIP 0.01 10% 50V				

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No.	Parts No.	SP	Description	Ref. No.	Parts No.	SP	Description
IC281	8-759-906-59	s	CX22017 (SONY)	L402	1-408-785-21	s	CHIP 47
IC301	8-759-204-96	s	TC74HC04F (TOSHIBA)	L403	1-408-785-21	s	CHIP 47
IC302	8-759-208-07	s	TC4051BFHB (TOSHIBA)	L501	1-408-785-21	s	CHIP 47
IC303	8-759-204-94	s	TC74HC00F (TOSHIBA)	L502	1-408-785-21	s	CHIP 47
IC304	8-759-925-81	s	SN74HC20NS (TI)	L503	1-408-785-21	s	CHIP 47
IC401	8-759-208-11	s	TC4053BFHB (TOSHIBA)	L504	1-408-785-21	s	CHIP 47
IC402	8-759-908-17	s	TL082CPS (TI)	LV321	1-407-926-00	s	VAR 22
IC403	1-808-743-11	s	BX6389 (SONY)	LV322	1-407-926-00	s	VAR 22
IC404	1-808-743-11	s	BX6389 (SONY)	LV551	1-407-929-00	s	VAR 4.7
IC405	8-759-982-21	s	RC78L05A (RAYTHEON)	Q1	8-729-901-01	s	DTC144EK
IC406	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q2	8-729-205-95	s	2SB822
IC407	1-808-743-11	s	BX6389 (SONY)	Q4	8-729-905-53	s	2SD1055-R
IC408	1-808-743-11	s	BX6389 (SONY)	Q51	8-729-216-22	s	2SA1162
IC409	1-808-743-11	s	BX6389 (SONY)	Q52	8-729-216-22	s	2SA1162
IC501	8-759-201-47	s	TA7357AP (TOSHIBA)	Q53	8-729-901-01	s	DTC144EK
IC502	1-464-605-11	s	CIRCUIT UNIT, ED	Q54	8-729-202-38	s	2SC3326N
IC503	8-759-205-21	s	TC74HC221F (TOSHIBA)	Q55	8-729-903-10	s	FMW1
IC504	8-759-908-92	s	TL084CNS (TI)	Q56	8-729-907-26	s	IMX1
IC505	8-759-700-07	s	NJM2903M (JRC)	Q57	8-729-216-22	s	2SA1162
IC506	8-759-925-81	s	SN74HC20NS (TI)	Q58	8-729-907-26	s	IMX1
IC507	8-759-206-55	s	TC74HC4538F (TOSHIBA)	Q59	8-729-903-82	s	FMW2
IC508	8-759-204-94	s	TC74HC00F (TOSHIBA)	Q60	8-729-907-26	s	IMX1
IC509	8-759-925-90	s	SN74HC74NS (TI)	Q61	8-729-201-27	s	2SC2715-Y
IC510	8-759-907-81	s	SN74LS221NS (TI)	Q71	8-729-201-27	s	2SC2715-Y
IC511	8-759-907-81	s	SN74LS221NS (TI)	Q72	8-729-903-82	s	FMW2
IC512	8-759-908-92	s	TL084CNS (TI)	Q73	8-729-907-26	s	IMX1
IC513	8-759-700-07	s	NJM2903M (JRC)	Q74	8-729-220-93	s	2SK209-G
IC514	8-759-206-55	s	TC74HC4538F (TOSHIBA)	Q75	8-729-901-01	s	DTC144EK
IC515	8-759-204-94	s	TC74HC00F (TOSHIBA)	Q76	8-729-201-27	s	2SC2715-Y
IC516	8-759-207-74	s	TC4030BFHB (TOSHIBA)	Q77	8-729-903-10	s	FMW1
IC517	8-759-204-94	s	TC74HC00F (TOSHIBA)	Q78	8-729-907-26	s	IMX1
IC518	8-759-920-14	s	S-8053ALR (SEIKO I AND E)	Q79	8-729-903-10	s	FMW1
IC519	8-759-982-21	s	RC78L05A (RAYTHEON)	Q80	8-729-216-22	s	2SA1162
IC520	8-752-037-75	s	CX-7393A (SONY)	Q81	8-729-201-27	s	2SC2715-Y
IC521	8-759-204-72	s	TC40H164F (TOSHIBA)	Q82	8-729-201-27	s	2SC2715-Y
IC522	8-759-204-94	s	TC74HC00F (TOSHIBA)	Q83	8-729-201-27	s	2SC2715-Y
IC523	8-759-205-21	s	TC74HC221F (TOSHIBA)	Q84	8-729-201-27	s	2SC2715-Y
IC524	8-759-204-94	s	TC74HC00F (TOSHIBA)	Q85	8-729-201-27	s	2SC2715-Y
L51	1-408-785-21	s	CHIP 47	Q86	8-729-907-26	s	IMX1
L52	1-408-785-21	s	CHIP 47	Q87	8-729-201-27	s	2SC2715-Y
L53	1-408-785-21	s	CHIP 47	Q88	8-729-907-46	s	IMZ1
L54	1-408-785-21	s	CHIP 47	Q89	8-729-216-22	s	2SA1162
L55	1-408-785-21	s	CHIP 47	Q90	8-729-216-22	s	2SA1162
L56	1-408-785-21	s	CHIP 47	Q91	8-729-201-27	s	2SC2715-Y
L57	1-408-785-21	s	CHIP 47	Q92	8-729-216-22	s	2SA1162
L58	1-408-785-21	s	CHIP 47	Q201	8-729-903-10	s	FMW1
L63	1-408-797-11	s	CHIP 470	Q202	8-729-907-26	s	IMX1
L64	1-408-783-00	s	CHIP 33	Q203	8-729-220-93	s	2SK209-G
L65	1-408-777-00	s	CHIP 10	Q204	8-729-904-41	s	FMV3
L66	1-408-787-00	s	CHIP 68	Q205	8-729-904-41	s	FMV3
L68	1-408-773-31	s	CHIP 4.7	Q206	8-729-903-10	s	FMW1
L201	1-408-785-21	s	CHIP 47	Q207	8-729-907-26	s	IMX1
L202	1-408-785-21	s	CHIP 47	Q208	8-729-220-93	s	2SK209-G
L281	1-408-785-21	s	CHIP 47	Q209	8-729-904-41	s	FMV3
L282	1-408-785-21	s	CHIP 47	Q210	8-729-904-41	s	FMV3
L301	1-408-785-21	s	CHIP 47	Q281	8-729-201-27	s	2SC2715-Y
L302	1-408-785-21	s	CHIP 47	Q301	8-729-907-26	s	IMX1
L311	1-408-785-21	s	CHIP 47				
L312	1-408-785-21	s	CHIP 47				
L313	1-408-785-21	s	CHIP 47				
L321	1-408-785-21	s	CHIP 47				
L322	1-408-785-21	s	CHIP 47				
L331	1-408-785-21	s	CHIP 47				
L401	1-408-785-21	s	CHIP 47				

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No.	Parts No.	SP	Description	Ref. No.	Part No.	SP	Description
Q302	8-729-201-27	s	2SC2715-Y	R407	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W
Q311	8-729-907-46	s	IMZ1	R408	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W
Q321	8-729-907-46	s	IMZ1	R409	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W
Q332	8-729-901-01	s	DTC144EK	R410	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
Q501	8-729-220-93	s	2SK209-G	R411	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
Q502	8-729-901-01	s	DTC144EK	R412	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
Q503	8-729-122-63	s	2SA1226	R413	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
Q504	8-729-901-01	s	DTC144EK	R423	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
Q511	8-729-122-63	s	2SA1226	R424	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W
Q512	8-729-200-86	s	2SC27140	R425	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
Q513	8-729-220-93	s	2SK209-G	R426	1-216-655-11	s	METAL CHIP 1.5K 0.50% 1/10W
Q514	8-729-201-27	s	2SC2715-Y	R427	1-216-651-11	s	METAL CHIP 1.5K 0.50% 1/10W
Q515	8-729-201-27	s	2SC2715-Y	R428	1-216-624-11	s	METAL CHIP 75 0.5% 1/10W
Q516	8-729-901-01	s	DTC144EK	R430	1-216-655-11	s	METAL CHIP 1.5K 0.50% 1/10W
Q517	8-729-201-27	s	2SC2715-Y	R431	1-216-651-11	s	METAL CHIP 1K 0.5% 1/10W
Q521	8-729-901-01	s	DTC144EK	R432	1-216-624-11	s	METAL CHIP 75 0.5% 1/10W
Q522	8-729-901-01	s	DTC144EK	R516	1-216-671-11	s	METAL CHIP 6.8K 0.5% 1/10W
R54	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	R517	1-216-675-11	s	METAL CHIP 10K 0.5% 1/10W
R55	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	R518	1-216-663-11	s	METAL CHIP 3.3K 0.5% 1/10W
R56	1-216-673-11	s	METAL CHIP 8.2K 0.50% 1/10W	R542	1-216-643-11	s	METAL CHIP 470 0.5% 1/10W
R58	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	R543	1-216-667-11	s	METAL CHIP 4.7K 0.5% 1/10W
R65	1-216-657-11	s	METAL CHIP 1.8K 0.50% 1/10W	R544	1-216-655-11	s	METAL CHIP 1.5K 0.5% 1/10W
R66	1-216-659-11	s	METAL CHIP 2.2K 0.50% 1/10W	R545	1-216-663-11	s	METAL CHIP 3.3K 0.5% 1/10W
R70	1-216-699-11	s	METAL CHIP 100K 0.50% 1/10W	R551	1-216-655-11	s	METAL CHIP 1.5K 0.5% 1/10W
R72	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W	R555	1-216-675-11	s	METAL CHIP 10K 0.5% 1/10W
R73	1-216-661-11	s	METAL CHIP 2.7K 0.50% 1/10W	R557	1-216-667-11	s	METAL CHIP 4.7K 0.5% 1/10W
R74	1-216-657-11	s	METAL CHIP 1.8K 0.50% 1/10W	R558	1-216-675-11	s	METAL CHIP 10K 0.5% 1/10W
R75	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	R559	1-216-675-11	s	METAL CHIP 10K 0.5% 1/10W
R84	1-216-637-11	s	METAL CHIP 270 0.50% 1/10W	R587	1-216-683-11	s	METAL CHIP 22K 0.5% 1/10W
R122	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	R601	1-216-659-11	s	METAL CHIP 2.2K 0.5% 1/10W
R137	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W	R609	1-216-675-11	s	METAL CHIP 10K 0.5% 1/10W
R138	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	R613	1-216-699-11	s	METAL CHIP 100K 0.5% 1/10W
R154	1-216-667-11	s	METAL CHIP 4.7K 0.50% 1/10W	R631	1-216-667-11	s	METAL CHIP 4.7K 0.5% 1/10W
R157	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	R634	1-216-677-11	s	METAL CHIP 12K 0.5% 1/10W
R158	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	R635	1-216-671-11	s	METAL CHIP 6.8K 0.5% 1/10W
R161	1-216-640-11	s	METAL CHIP 360 0.50% 1/10W	R641	1-216-683-11	s	METAL CHIP 22K 0.5% 1/10W
R162	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	RV100	1-228-455-00	s	VAR, CERMET 500
R163	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	RV101	1-228-455-00	s	VAR, CERMET 500
R165	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W	RV102	1-230-526-11	s	VAR, METAL GLAZE 47K
R168	1-216-653-11	s	METAL CHIP 1.2K 0.50% 1/10W	RV103	1-230-522-11	s	VAR, METAL GLAZE 4.7K
R169	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W	RV104	1-228-457-00	s	VAR, CERMET 2K
R170	1-216-659-11	s	METAL CHIP 2.2K 0.50% 1/10W	RV130	1-228-465-00	s	VAR, CERMET 1M
R172	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W	RV131	1-228-458-00	s	VAR, CERMET 5K
R185	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV132	1-228-457-00	s	VAR, CERMET 2K
R186	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV133	1-228-457-00	s	VAR, CERMET 2K
R191	1-216-659-11	s	METAL CHIP 2.2K 0.50% 1/10W	RV134	1-228-455-00	s	VAR, CERMET 500
R193	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	RV135	1-228-455-00	s	VAR, CERMET 500
R194	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	RV136	1-228-454-00	s	VAR, CERMET 200
R195	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W	RV137	1-230-521-11	s	VAR, METAL GLAZE 2.2K
R203	1-216-659-11	s	METAL CHIP 2.2K 0.50% 1/10W	3) RV138	1-237-129-11	s	VAR, METAL GLAZE 220
R205	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	4) RV138	1-230-519-11	s	VAR, METAL GLAZE 470
R220	1-216-659-11	s	METAL CHIP 2.2K 0.50% 1/10W	RV139	1-228-456-00	s	VAR, CERMET 1K
R243	1-216-659-11	s	METAL CHIP 2.2K 0.50% 1/10W	RV201	1-228-460-00	s	VAR, CERMET 20K
R245	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	RV202	1-228-460-00	s	VAR, CERMET 20K
R253	1-216-661-11	s	METAL CHIP 2.7K 0.50% 1/10W	RV203	1-228-457-00	s	VAR, CERMET 2K
R283	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	RV241	1-228-460-00	s	VAR, CERMET 20K
R284	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W	RV242	1-228-460-00	s	VAR, CERMET 20K
R323	1-216-655-11	s	METAL CHIP 1.5K 0.50% 1/10W	RV243	1-230-526-11	s	VAR, METAL GLAZE 47K
R325	1-216-655-11	s	METAL CHIP 1.5K 0.50% 1/10W	RV301	1-228-459-00	s	VAR, CERMET 10K
R406	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W				

Part s that are not listed in the "reference number order list" are shown in the "General Purpose Electrical parts List."

ENC-11P, EQ-14, EQ-14A, EQ-23

Ref. No. Part No. SP Description

RV302 1-228-457-00 s VAR, CERMET 2K
 RV401 1-230-528-11 s VAR, METAL GLAZE 220K
 RV411 1-228-455-00 s VAR, CERMET 500
 RV421 1-228-457-00 s VAR, CERMET 2K
 RV431 1-228-457-00 s VAR, CERMET 2K

 RV501 1-228-475-00 s VAR, CERMET 20K
 RV502 1-228-459-00 s VAR, CERMET 10K
 RV503 1-230-526-11 s VAR, METAL GLAZE 47K
 RV504 1-228-459-00 s VAR, CERMET 10K

SI 1-570-374-12 s SLIDE

TII51 1-800-200-00 s S-3K

X351 1-567-860-11 s VIBRATOR, CRYSTAL 4.433618MHz
 X601 1-567-863-11 s VIBRATOR, CRYSTAL 10.664135MHz

EQ-14 BOARD

All of the component parts on the EQ-14 Board are supplied together when you order the MDM-3P Board.

1-622-861-13 o PRINTED CIRCUIT BOARD, EQ-14

CNI 1-564-549-11 o PIN, BOARD TO BOARD 10P

DLI 1-415-546-11 s DELAY LINE 50ns

Q1 8-729-200-86 s 2SC2714-Y
 Q2 8-729-122-63 s 2SA1226
 Q3 8-729-201-27 s 2SC2715-Y
 Q4 8-729-400-76 s 2SD1030
 Q5 8-729-400-76 s 2SD1030

 Q6 8-729-200-86 s 2SC2714-o
 Q7 8-729-200-86 s 2SC2714-o
 Q8 8-729-200-86 s 2SC2714-o

R5 1-216-635-11 s METAL CHIP 220 0.50% 1/10W

RV605 1-228-471-00 s VAR, CERMET 1k
 RV606 1-228-471-00 s VAR, CERMET 1k
 RV607 1-228-474-00 s VAR, CERMET 10k

Ref. No. Part No. SP Description

EQ-14A BOARD

All of the component parts on the EQ-14A Board are supplied together when you order the MDM-3P Board.

1-622-861-23 o PRINTED CIRCUIT BOARD, EQ-14A

CNI 1-564-549-11 o PIN, BOARD TO BOARD 10P

DLI 1-415-547-11 s DELAY LINE 50ns

Q1 8-729-200-86 s 2SC2714-o
 Q2 8-729-122-63 s 2SA1226
 Q3 8-729-201-27 s 2SC2715-Y
 Q4 8-729-400-76 s 2SD1030
 Q5 8-729-400-76 s 2SD1030

Q6 8-729-200-86 s 2SC2714-o
 Q7 8-729-200-86 s 2SC2714-o
 Q8 8-729-200-86 s 2SC2714-o

R5 1-216-635-11 s METAL CHIP 220 0.50% 1/10W

RV605 1-228-471-00 s VAR, CERMET 1k
 RV606 1-228-471-00 s VAR, CERMET 1k
 RV607 1-228-474-00 s VAR, CERMET 10k

EQ-23 BOARD

All of the component parts on the EQ-23 Board are supplied together when you order the CEC-3P Board.

1-625-384-11 o PRINTED CIRCUIT BOARD, EQ-23

C1 1-135-125-21 s TANTAL. CHIP 33 20% 10V
 C2 1-163-033-00 s CERAMCHIP 0.022 10% 25V
 C3 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C4 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

CNI 1-564-548-11 o PIN, BOARD TO BOARD 5P

L1 1-408-785-21 s CHIP 47
 L2 1-408-781-00 s CHIP 22
 L3 1-408-780-21 s CHIP 18
 L4 1-408-785-21 s CHIP 47

Q1 8-729-201-27 s 2SC2715-Y
 Q2 8-729-201-27 s 2SC2715-Y
 Q3 8-729-216-21 s 2SA1162-Y

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

RV1 1-228-472-00 s VAR. CERMET 2k

Ref No. Parts No. SP Description

RV619 1-237-034-11 s VAR. CERMET 2k
RV620 1-237-033-11 s VAR. CERMET 1k

EX-150 BOARD

A-6725-574-A s MOUNTED CIRCUIT BOARD, EX-150

3-701-623-00 s BAG, POLYETHYLENE

CN1 1-566-566-11 o TX(P.L)(PC BOARD)4OP
CN2 1-566-564-11 o TX(S.L)(PC BOARD)4OP

HP-36 BOARD

1-622-908-12 o PRINTED CIRCUIT BOARD, HP-36

C1 1-124-225-00 s ELECT 100 20% 6.3V
C2 1-124-261-00 s ELECT 10 20% 50V

CD1 1-464-758-11 s CONVERTER, DC-DC (CD-54)

FL-66 BOARD

All of the component parts on the FL-66 Board are supplied together when you order the MDM-3P Board.

Q1 8-729-400-76 s 2SD1030
Q2 8-729-400-76 s 2SD1030
Q3 8-729-400-76 s 2SD1030
Q4 8-729-400-76 s 2SD1030

1-626-351-13 o PRINTED CIRCUIT BOARD, FL-66

RV1 1-237-129-11 s VAR. METAL GLAZE 220

C19 1-163-103-00 s CERAMIC CHIP 27PF 5% 50V

KY-110P BOARD

A-6717-540-B o MOUNTED CIRCUIT BOARD, KY-110P

L1 1-408-778-21 s CHIP 12
L2 1-408-773-31 s CHIP 4.7
L3 1-408-777-00 s CHIP 10
L4 1-408-776-00 s CHIP 8.2
L5 1-408-785-21 s CHIP 47C7 1-162-637-11 s CERAMIC CHIP 0.47 16V
C16 1-124-254-00 s ELECT 0.68 20% 50V
C18 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C21 1-163-088-00 s CERAMIC CHIP 5PF ±0.25PF 50V
C29 1-163-115-00 s CERAMIC CHIP 82PF 5% 50VQ1 8-729-201-27 s 2SC2715-Y
Q2 8-729-200-86 s 2SC2714-o
Q3 8-729-200-86 s 2SC2714-o
Q4 8-729-200-86 s 2SC2714-o
Q5 8-729-122-63 s 2SA1226

CN2 1-562-686-11 o F.P.C (26P)

CV1 1-141-326-11 s TRIMMER 35PF
CV2 1-141-326-11 s TRIMMER 35PFR4 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
R5 1-216-660-11 s METAL CHIP 2.4k 0.50% 1/10W
R6 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
R7 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
R12 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R13 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
R15 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
R16 1-216-642-11 s METAL CHIP 430 0.50% 1/10W
R20 1-216-634-11 s METAL CHIP 200 0.50% 1/10W
R21 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
R22 1-216-656-11 s METAL CHIP 1.6k 0.50% 1/10WD1 8-719-902-27 s EBR3402S
D2 8-719-928-51 s PR5551K
D3 8-719-928-51 s PR5551K
D4 8-719-955-05 s BR5505S
D5 8-719-928-51 s PR5551K
D6 8-719-928-51 s PR5551K
D7 8-719-928-51 s PR5551K
D8 8-719-902-27 s EBR3402S
D9 8-719-902-27 s EBR3402S
D10 8-719-109-51 s RD2.0E5-B2
D11 8-719-101-23 s ISS123
D19 8-719-100-05 s IS2837

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

KY-110P, LM-15, LM-16

Ref No. Parts No. SP Description

D23	8-719-100-05	s	ISS2837
D25	8-719-101-97	s	ISS97-1
IC1	8-759-938-68	s	CXD10950 (SONY)
IC2	8-759-400-06	s	AN608P (MATSUSHITA)
IC3	8-759-912-64	s	PA0009 (PIONEER)
IC4	8-759-340-46	s	IID14046BP (HITACHI)
IC5	8-759-208-05	s	TC4520BPHB (TOSHIBA)
IC6	8-759-941-78	s	S-8053ALB (SEIKO I AND E)
IC7	8-759-146-73	s	CX8042Q-502 (SONY)
IC8	8-759-944-79	s	CX011320 (SONY)
IC9	8-759-942-44	s	CXD11280 (SONY)
IC10	8-759-209-15	s	TC4SU69F (TOSHIBA)
IC11	1-808-016-11	s	LED MODULE
IC12	8-759-209-90	s	TC4S71F (TOSHIBA)
IC13	8-759-209-15	s	TC4SU69F (TOSHIBA)
IC14	8-759-209-15	s	TC4SU69F (TOSHIBA)
IC15	8-759-209-97	s	TC4S81F (TOSHIBA)
IC16	8-759-209-90	s	TC4S71F (TOSHIBA)
IC17	8-759-209-15	s	TC4SU69F (TOSHIBA)
IC18	8-759-209-90	s	TC4S71F (TOSHIBA)
IC19	8-759-209-15	s	TC4SU69F (TOSHIBA)
IC20	8-759-209-69	s	TC4S11F (TOSHIBA)
IC21	8-759-209-90	s	TC4S71F (TOSHIBA)
IC22	8-759-209-15	s	TC4SU69F (TOSHIBA)
IC23	8-759-209-15	s	TC4SU69F (TOSHIBA)
L50	1-408-765-21	s	CHIP 1

LCD1 1-807-981-11 s DISPLAY PANEL, LIQUID CRYSTAL

Q1	8-729-116-42	s	2SD1164
Q4	8-729-216-21	s	2SA1162-Y
Q5	8-729-216-22	s	2SA1162
Q7	8-829-202-38	s	2SC3326N
Q10	8-729-216-21	s	2SA1162-Y
R72	1-216-294-00	s	METAL CHIP 10M 5% 1/8W
R86	1-216-294-00	s	METAL CHIP 10M 5% 1/8W
R116	1-216-294-00	s	METAL CHIP 10M 5% 1/8W

S1	1-554-371-51	s	TACT "PAUSE"
S2	1-554-371-51	s	TACT "SEARCH"
S3	1-554-371-51	s	TACT "AUDIO DUB"
S4	1-554-371-51	s	TACT "STOP"
S5	1-554-371-51	s	TACT "EJECT"
S6	1-554-371-51	s	TACT "REW"
S7	1-554-371-51	s	TACT "FF"
S8	1-554-371-51	s	TACT "REC"
S9	1-554-371-51	s	TACT "PLAY"
S10	1-554-371-51	s	SLIDE "KEY INHIBIT"
S11	1-570-850-11	s	SLIDE "LIGHT ON/OFF"
S12	1-553-977-00	s	SLIDE "VITC REC ON/OFF"
S13	1-570-850-11	s	SLIDE "CTL/TC/UBIT"
S14	1-554-371-51	s	TACT "RESET"
S16	1-553-977-00	s	SLIDE "SLAVE UBIT ON/OFF"

Ref No. Parts No. SP Description

S17	1-553-977-00	s	SLIDE "LTC UBIT/VITC UBIT"
S18	1-570-724-11	s	SLIDE "REAL TIME ON/OFF/SET"
S19	1-554-371-51	s	TACT "SET SHIFT"
S20	1-554-371-51	s	TACT "SET ADVANCE"
S21	1-570-724-11	s	SLIDE "F-RUN/SET/R-RUN"

S22	1-553-977-00	s	SLIDE "LTC/VITC"
S23	1-571-273-11	s	ROTARY
S24	1-571-273-11	s	ROTARY

X1	1-567-812-11	s	VIBRATOR, CERAMIC 12.28MHz
X2	1-567-867-11	s	VIBRATOR, CRYSTAL 14.5MHz
X3	1-527-956-00	s	CRYSTAL 31.4685KHz

LM-15 BOARD

All of the component parts on the LM-15 Board are supplied together when you order the CEC-3P Board.

1-622-876-13 o PRINTED CIRCUIT BOARD, LM-15

C4	1-162-638-11	s	CERAMIC CHIP 1 16V
C5	1-162-638-11	s	CERAMIC CHIP 1 16V

CN1 1-564-548-11 o PIN, BOARD TO BOARD 5P

D1 8-719-101-23 s ISS123

IC1 8-759-908-92 s TL084CNS (TI)

Q1	8-729-271-22	s	2SC2712-G
Q2	8-729-271-22	s	2SC2712-G
Q3	8-729-216-21	s	2SA1162-Y
Q4	8-729-216-21	s	2SA1162-Y

R10 1-216-681-11 s METAL CHIP 18k 0.50% 1/10W

RV1	1-228-474-00	s	VAR, CERMET 10K
RV2	1-228-474-00	s	VAR, CERMET 10K

All of the component parts on the LM-16 Board are supplied together when you order the CEC-3P Board.

1-622-877-11 o PRINTED CIRCUIT BOARD, LM-16

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
CN1	1-564-548-11	o	PIN. BOARD TO BOARD 5P	R11	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
Q1	8-729-201-27	s	2SC2715-Y	R12	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
Q2	8-729-200-86	s	2SC2714-0	R13	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
Q3	8-729-122-63	s	2SA1226	R14	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
Q4	8-729-122-63	s	2SA1226	R16	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
Q5	8-729-200-86	s	2SC2714-Y	R17	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
Q6	8-729-201-27	s	2SC2715-Y	R19	1-216-633-11	s	METAL CHIP 180 0.50% 1/10W
R1	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W	R22	1-216-640-11	s	METAL CHIP 360 0.50% 1/10W
R6	1-216-660-11	s	METAL CHIP 2.4k 0.50% 1/10W	R23	1-216-640-11	s	METAL CHIP 360 0.50% 1/10W
RV1	I-228-470-00	s	VAR. CERMET 500	R26	1-216-658-11	s	METAL CHIP 2K 0.50% 1/10W
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MA-28 BOARD							
A-6713-294-A o MOUNTED CIRCUIT BOARD, MA-28							
C4	1-124-556-11	s	ELECT 2200 20% 16V	R37	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
C14	1-124-122-11	s	ELECT 100 20% 50V	R39	1-216-633-11	s	METAL CHIP 180 0.50% 1/10W
CN1	1-564-002-00	o	PIN. 3P	R42	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
CN2	1-564-002-00	o	PIN. 3P	R51	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W
CN3	1-564-002-00	o	PIN. 3P	R53	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
CN4	1-564-002-00	o	PIN. 3P	R54	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
CN5	1-564-002-00	o	PIN. 3P	R56	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
CN6	1-564-005-00	o	PIN. 6P	R57	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
CN7	1-564-004-00	o	PIN. 5P	R59	1-216-633-11	s	METAL CHIP 180 0.50% 1/10W
D1	8-719-101-23	s	ISS123	R62	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
D2	8-719-101-23	s	ISS123	R71	1-216-651-11	s	METAL CHIP 1K 0.50% 1/10W
IC1	8-759-700-84	s	NJM2041N-D (JRC)	R73	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
IC2	1-808-046-11	s	BS7463	R74	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
IC3	1-808-046-11	s	BS7463	R76	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
L1	1-408-776-00	s	CHIP 8.2	R77	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
L2	1-408-776-00	s	CHIP 8.2	R79	1-216-633-11	s	METAL CHIP 180 0.50% 1/10W
L11	1-408-776-00	s	CHIP 8.2	R82	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
L12	1-408-776-00	s	CHIP 8.2	S1	1-571-217-11	s	SLIDE "LINE/CAMERA"
L31	1-408-776-00	s	CHIP 8.2	S2	1-571-087-11	s	SLIDE "-60/-20/+4 (CH-1)"
L32	1-408-776-00	s	CHIP 8.2	S3	1-570-839-11	s	SLIDE "LINE/CAMERA (CH-2)"
L51	1-408-776-00	s	CHIP 8.2	S4	1-571-087-11	s	SLIDE "-60/-20/+4 (CH-2)"
L52	1-408-776-00	s	CHIP 8.2	S5	1-570-839-11	s	SLIDE "LINE/CAMERA (CH-3)"
L71	1-408-776-00	s	CHIP 8.2	S6	1-571-087-11	s	SLIDE "-60/-20/+4 (CH-4)"
L72	1-408-776-00	s	CHIP 8.2	S7	1-570-839-11	s	SLIDE "LINE/CAMERA (CH-4)"
Q11	8-729-271-22	s	2SC2712-G	S8	1-571-087-11	s	SLIDE "-60/-20/+4 (CH-4)"
Q91	8-729-271-22	s	2SC2712-G	S9	1-570-839-11	s	SLIDE "CH-3/4/CH-1/2"
Q92	8-729-216-21	s	2SA1162-Y	S10	1-570-850-11	s	SLIDE "STOP EE/OFF/SAVE"
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MB-157 BOARD							
This board includes the DE-19 Board.							
A-6729-537-A o MOUNTED CIRCUIT BOARD, MB-157							
C2	1-124-120-11	s	ELECT 220 20% 16V	C3	1-124-120-11	s	ELECT 220 20% 16V
C4	1-124-120-11	s	ELECT 220 20% 16V	C5	1-124-110-00	s	ELECT 330 20% 16V
C6	1-124-472-11	s	ELECT 470 20% 6.3V				

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

	Ref No.	Parts No.	SP	Description
C7	1-124-119-00	s	ELECT	330 20% 16V
CN1	1-566-568-11	o	TX (S.S)(PC BOARD)	40P
CN2	1-566-568-11	o	TX (S.S)(PC BOARD)	40P
CN3	1-566-568-11	o	TX (S.S)(PC BOARD)	40P
CN4	1-566-568-11	o	TX (S.S)(PC BOARD)	40P
CN5	1-566-568-11	o	TX (S.S)(PC BOARD)	40P
CN9	1-564-199-00	o	PIN HEADER, ANGLE	6P
CN12	1-564-013-00	o	PIN.	3P
CN20	1-564-197-00	o	PIN HEADER, ANGLE	4P
IC1	8-759-982-34	s	RC78M09PA (RAYTHEON)	
Q1	8-729-900-89	s	DTC144ES	
Q2	8-729-245-82	s	2SC2458-Y	
Q3	8-729-900-89	s	DTC144ES	
Q4	8-729-900-89	s	DTC144ES	
Q5	8-729-208-96	s	2SA1242-Y	

MDM-3P BOARD

This board includes the DL-13, DM-58A, DUS-277, SO-19, EO-14, EO-14A, FL-6G, PA-60, RF-16, TG-31 and VA-54 Boards.

A-6711-866-A o MOUNTED CIRCUIT BOARD, MDM-3P

C1	1-124-444-00	s	ELECT	220 20% 10V
C2	1-124-442-00	s	ELECT	330 20% 6.3V
C3	1-124-442-00	s	ELECT	330 20% 6.3V
C101	1-162-638-11	s	CERAMIC CHIP	1 16V
C102	1-162-638-11	s	CERAMIC CHIP	1 16V
C103	1-123-661-00	s	ELECT	100 20% 6.3V
C106	1-162-638-11	s	CERAMIC CHIP	1 16V
C107	1-135-093-21	s	TANTAL. CHIP	10 20% 16V
C111	1-163-103-00	s	CERAMIC CHIP	27P 5% 50V
C121	1-162-638-11	s	CERAMIC CHIP	1 16V
C122	1-162-638-11	s	CERAMIC CHIP	1 16V
C139	1-124-472-11	s	ELECT	470 20% 10V
C147	1-163-033-00	s	CERAMIC CHIP	0.022 50V
C148	1-163-033-00	s	CERAMIC CHIP	0.022 50V
C149	1-131-377-00	s	TANTAL.	10 10% 10V
C201	1-162-638-11	s	CERAMIC CHIP	1 16V
C202	1-162-638-11	s	CERAMIC CHIP	1 16V
C203	1-123-661-00	s	ELECT	100 20% 6.3V
C206	1-162-638-11	s	CERAMIC CHIP	1 16V
C207	1-135-093-21	s	TANTAL. CHIP	10 20% 16V

C221	1-162-638-11	s	CERAMIC CHIP	1 16V
C222	1-162-638-11	s	CERAMIC CHIP	1 16V
C239	1-124-472-11	s	ELECT	470 20% 10V
C245	1-124-224-00	s	ELECT	47 20% 6.3V
C261	1-163-103-00	s	CERAMIC CHIP	27P 5% 50V

Ref No.	Parts No.	SP	Description	
C301	1-162-638-11	s	CERAMIC CHIP	1 16V
C302	1-162-638-11	s	CERAMIC CHIP	1 16V
C304	1-162-638-11	s	CERAMIC CHIP	1 16V
C307	1-162-638-11	s	CERAMIC CHIP	1 16V
C313	1-124-444-00	s	ELECT	220 20% 10V
C314	1-162-638-11	s	CERAMIC CHIP	1 16V
C315	1-107-339-11	s	MICA	630.8PF 0.25% 100V
C320	1-124-443-00	s	ELECT	100 20% 10V
C322	1-135-093-21	s	TANTAL. CHIP	10 20% 16V
C325	1-124-893111	s	ELECT	2.2k 20% 6.3V
C326	1-124-443-00	s	ELECT	100 20% 6.3V
C327	1-162-638-11	s	CERAMIC CHIP	1 16V
C328	1-162-638-11	s	CERAMIC CHIP	1 16V
C401	1-162-638-11	s	CERAMIC CHIP	1 16V
C402	1-162-638-11	s	CERAMIC CHIP	1 16V
C404	1-162-638-11	s	CERAMIC CHIP	1 16V
C405	1-162-638-11	s	CERAMIC CHIP	1 16V
C407	1-162-638-11	s	CERAMIC CHIP	1 16V
C413	1-124-444-00	s	ELECT	220 20% 10V
C414	1-162-638-11	s	CERAMIC CHIP	1 16V
C415	1-107-340-11	s	MICA	651.2PF 0.25% 100V
C420	1-124-443-00	s	ELECT	100 20% 10V
C422	1-135-093-21	s	TANTAL. CHIP	10 20% 16V
C423	1-162-638-11	s	CERAMIC CHIP	1 16V
C424	1-162-638-11	s	CERAMIC CHIP	1 16V
C425	1-124-443-00	s	ELECT	100 20% 6.3V
C426	1-124-442-00	s	ELECT	330 20% 6.3V
C429	1-124-443-00	s	ELECT	100 20% 10V
C506	1-162-638-11	s	CERAMIC CHIP	1 16V
C507	1-162-638-11	s	CERAMIC CHIP	1 16V
C508	1-162-638-11	s	CERAMIC CHIP	1 16V
C510	1-135-074-21	s	TANTAL. CHIP	0.47 20% 35V
C511	1-135-076-21	s	TANTAL. CHIP	1 20% 35V
C512	1-162-638-11	s	CERAMIC CHIP	1 16V
C513	1-162-638-11	s	CERAMIC CHIP	1 16V
C518	1-135-097-21	s	TANTAL. CHIP	15 20% 10V
C519	1-135-097-21	s	TANTAL. CHIP	15 20% 10V
CN1	1-566-506-11	o	PIN, BOARD TO BOARD	10P
D1	8-719-109-95	s	RDG.8ES-B	
D2	8-719-109-95	s	RDG.8ES-B	
D3	8-719-109-95	s	RDG.8ES-B	
D102	8-719-105-82	s	RD5.1M-B2	
D201	8-719-100-05	s	IS2837	
D202	8-719-105-82	s	RD5.1M-B2	
D301	8-719-101-23	s	ISS123	
D302	8-719-100-03	s	IS2835	
D303	8-719-101-23	s	ISS123	
D401	8-719-101-23	s	ISS123	
FBJ02	1-543-309-12	s	BEAD, FERRITE	
FB105	1-543-309-12	s	BEAD, FERRITE	
FB201	1-543-309-12	s	BEAD, FERRITE	
FB202	1-543-309-12	s	BEAD, FERRITE	
FB205	1-543-309-12	s	BEAD, FERRITE	
FB501	1-543-309-12	s	BEAD, FERRITE	

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Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
FL101	1-236-019-11	s	LOW PASS (CHIP)	Q1	8-729-901-01	s	DTC144EK
FL102	1-236-067-12	s	LOW PASS	Q2	8-729-271-22	s	2SC2712-G
FL201	1-236-021-11	s	LOW PASS (CHIP)	Q3	8-729-101-07	s	2SB798
FL202	1-236-068-12	s	LOW PASS	Q4	8-729-202-06	s	2SC2873-Y
FL301	1-236-092-12	s	LOW PASS 5.5MHz	Q5	8-729-101-07	s	2SB798
FL401	1-235-284-11	s	LOW PASS (C)	Q6	8-729-901-01	s	DTC144EK
IC101	8-752-030-81	s	CXA1040M (SONY)	Q7	8-729-202-06	s	2SC2873-Y
IC102	8-752-030-80	s	CXA1039M (SONY)	Q8	8-729-101-07	s	2SB798
IC103	8-752-030-82	s	CXA1041M (SONY)	Q9	8-729-901-01	s	DTC144EK
IC104	1-808-038-21	s	BS-G336A	Q10	8-729-202-06	s	2SC2873-Y
IC201	8-752-030-81	s	CXA1040M (SONY)	Q11	8-729-202-06	s	2SC2873-Y
IC202	8-752-030-80	s	CXA1039M (SONY)	Q12	8-729-271-22	s	2SC2712-G
IC203	8-752-030-82	s	CXA1041M (SONY)	Q101	8-729-201-27	s	2SC2715-Y
IC301	8-759-208-09	s	TC4052BFHB (TOSHIBA)	Q103	8-729-901-01	s	DTC144EK
IC302	1-464-602-12	s	CIRCUIT UNIT, HF	Q104	8-729-901-06	s	DTA144EK
IC304	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q105	8-729-400-76	s	2SD1030
IC401	8-759-208-09	s	TC4052BFHB (TOSHIBA)	Q107	8-729-200-86	s	2SC2714-o
IC402	1-464-602-41	s	CIRCUIT UNIT, HF	Q108	8-729-102-07	s	2SC2223-F13
IC404	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q109	8-729-102-07	s	2SC2223-F13
IC501	8-759-204-96	s	TC74HIC04F (TOSHIBA)	Q110	8-729-216-21	s	2SA1162-Y
IC502	8-759-205-78	s	TC504013BF (TOSHIBA)	Q111	8-729-603-30	s	2SC403SP-3
IC503	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q113	8-729-200-86	s	2SC2714-o
IC504	8-759-601-00	s	CX20004A (SONY)	Q114	8-729-122-63	s	2SA1226
IC505	1-807-990-11	s	BH1805	Q115	8-729-122-63	s	2SA1226
L1	1-408-777-00	s	CHIP 10	Q116	8-729-109-44	s	2SK94
L2	1-408-777-00	s	CHIP 10	Q117	8-729-122-63	s	2SA1226
L3	1-408-777-00	s	CHIP 10	Q118	8-729-122-63	s	2SA1226
L4	1-408-777-00	s	CHIP 10	Q119	8-729-901-06	s	DTA144EK
L5	1-408-777-00	s	CHIP 10	Q201	8-729-201-27	s	2SC2715-Y
L6	1-408-777-00	s	CHIP 10	Q202	8-729-201-27	s	2SC2715-Y
L7	1-408-777-00	s	CHIP 10	Q204	8-729-901-06	s	DTA144EK
L8	1-408-785-21	s	CHIP 47	Q205	8-729-400-76	s	2SD1030
L9	1-408-777-00	s	CHIP 10	Q207	8-729-200-86	s	2SC2714-o
L11	1-408-777-00	s	CHIP 10	Q208	8-729-102-07	s	2SC2223-F13
L12	1-408-777-00	s	CHIP 10	Q209	8-729-102-07	s	2SC2223-F13
L13	1-408-777-00	s	CHIP 10	Q210	8-729-216-21	s	2SA1162-Y
L14	1-408-777-00	s	CHIP 10	Q211	8-729-200-86	s	2SC2714-o
L15	1-408-777-00	s	CHIP 10	Q212	8-729-216-21	s	2SA1162-Y
L16	1-408-777-00	s	CHIP 10	Q213	8-729-200-86	s	2SC2714-o
L17	1-408-777-00	s	CHIP 10	Q214	8-729-200-86	s	2SC2714-o
L18	1-408-777-00	s	CHIP 10	Q215	8-729-122-63	s	2SA1226
L19	1-408-785-21	s	CHIP 47	Q216	8-729-109-44	s	2SK94
L51	1-408-785-21	s	CHIP 47	Q217	8-729-122-63	s	2SA1226
L52	1-408-785-21	s	CHIP 47	Q218	8-729-122-63	s	2SA1226
L53	1-408-785-21	s	CHIP 47	Q219	8-729-901-06	s	DTA144EK
L101	1-410-470-11	s	MICRO 10	Q301	8-729-201-27	s	2SC2715-Y
L103	1-408-785-21	s	CHIP 47	Q304	8-729-122-63	s	2SA1226
L201	1-408-789-21	s	CHIP 100	Q305	8-729-122-63	s	2SA1226
L203	1-408-785-21	s	CHIP 47	Q306	8-729-201-27	s	2SC2715-Y
L301	1-410-465-11	s	MICRO 3.9	Q307	8-729-201-27	s	2SC2715-Y
L306	1-410-706-31	s	CHIP 12	Q309	8-729-122-63	s	2SA1226
L401	1-410-468-11	s	MICRO 6.8	Q310	8-729-201-27	s	2SC2715-Y
L402	1-410-473-11	s	MICRO 18	Q311	8-729-201-27	s	2SC2715-Y
L501	1-408-794-00	s	CHIP 270	Q314	8-729-122-63	s	2SA1226
L502	1-408-779-31	s	CHIP 15	Q315	8-729-201-27	s	2SC2715-Y
L701	1-408-782-11	s	CHIP 27	Q316	8-729-901-06	s	DTA144EK

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Ref No. Parts No. SP Description

Q404 8-729-122-63 s 2SA1226
 Q405 8-729-122-63 s 2SA1226

Q406 8-729-201-27 s 2SC2715-Y
 Q407 8-729-201-27 s 2SC2715-Y
 Q408 8-729-201-27 s 2SC2715-Y

Q409 8-729-200-86 s 2SC2714-0

Q410 8-729-201-27 s 2SC2715-Y

Q411 8-729-200-86 s 2SC2714-o

Q412 8-729-122-63 s 2SA1226

Q413 8-729-901-01 s DTC144EK

Q414 8-729-122-63 s 2SA1226

Q415 8-729-201-27 s 2SC2715-Y

Q416 8-729-201-27 s 2SC2715-Y

Q417 8-729-201-27 s 2SC2715-Y

Q418 8-729-122-63 s 2SA1226

Q421 8-729-109-44 s 2SK94

Q501 8-729-201-27 s 2SC2715-Y

Q502 8-729-201-27 s 2SC2715-Y

Q503 8-729-201-27 s 2SC2715-Y

Q504 8-729-201-27 s 2SC2715-Y

Q505 8-729-216-21 s 2SA1162-Y

Q506 8-729-201-27 s 2SC2715-Y

Q507 8-729-201-27 s 2SC2715-Y

Q508 8-729-201-27 s 2SC2715-Y

Q509 8-729-201-27 s 2SC2715-Y

Q701 8-729-109-43 s 2SK94-X3

R104 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R105 1-216-652-11 s METAL CHIP 1.1k 0.50% 1/10W
 R107 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R108 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W
 R118 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R119 1-216-650-11 s METAL CHIP 910 0.50% 1/10W

R120 1-216-650-11 s METAL CHIP 910 0.50% 1/10W

R121 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W

R126 1-216-633-11 s METAL CHIP 180 0.50% 1/10W

R150 1-216-629-11 s METAL CHIP 120 0.50% 1/10W

R151 1-216-620-11 s METAL CHIP 120 0.50% 1/10W

R152 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W

R204 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R205 1-216-652-11 s METAL CHIP 1.1k 0.50% 1/10W

R208 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W

R215 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W

R218 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R219 1-216-650-11 s METAL CHIP 910 0.50% 1/10W

R220 1-216-650-11 s METAL CHIP 910 0.50% 1/10W

R221 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W

R226 1-216-631-11 s METAL CHIP 150 0.50% 1/10W

R250 1-216-629-11 s METAL CHIP 120 0.50% 1/10W

R251 1-216-629-11 s METAL CHIP 120 0.50% 1/10W

R252 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W

R253 1-216-644-11 s METAL CHIP 510 0.50% 1/10W

R254 1-216-638-11 s METAL CHIP 300 0.50% 1/10W

R255 1-216-644-11 s METAL CHIP 510 0.50% 1/10W

R257 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R262 1-216-663-11 s METAL CHIP 3.9k 0.50% 1/10W

R317 1-216-603-11 s METAL CHIP 10 0.50% 1/10W

R320 1-216-638-11 s METAL CHIP 300 0.50% 1/10W

R321 1-216-638-11 s METAL CHIP 300 0.50% 1/10W

R344 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R350 1-216-641-11 s METAL CHIP 390 0.50% 1/10W

R351 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

Ref No. Parts No. SP Description

R352 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R353 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

R356 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R358 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R359 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W

R365 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W
 R409 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R411 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R415 1-218-177-11 s METAL CHIP 1k 0.10% 1/10W

R416 1-218-175-11 s METAL CHIP 267 0.10% 1/10W

R420 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R421 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R450 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R451 1-216-645-11 s METAL CHIP 560 0.50% 1/10W

R452 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R453 1-216-645-11 s METAL CHIP 560 0.50% 1/10W

R456 1-216-631-11 s METAL CHIP 150 0.50% 1/10W

R458 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R459 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W

R463 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W

R465 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W

R467 1-216-684-11 s METAL CHIP 24k 0.50% 1/10W

R508 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W
 R509 1-216-664-11 s METAL CHIP 3.6k 0.50% 1/10W

R510 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W

R511 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W

R520 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W

R703 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

R704 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

RV101 1-230-523-11 s VAR, METAL GLAZE 10k

RV102 1-226-777-00 s VAR, METAL GLAZE 1M

RV103 1-230-520-11 s VAR, METAL GLAZE 1k

RV104 1-230-526-11 s VAR, METAL GLAZE 47k

RV105 1-230-526-11 s VAR, METAL GLAZE 47k

RV106 1-230-523-11 s VAR, METAL GLAZE 10k

RV107 1-228-459-00 s VAR, CERMET 10k

RV108 1-228-462-00 s VAR, CERMET 100k

RV109 1-228-455-00 s VAR, CERMET 500

RV110 1-228-457-00 s VAR, CERMET 2k

RV111 1-228-454-00 s VAR, CERMET 200

RV113 1-230-524-11 s VAR, METAL GLAZE 22k

RV114 1-230-520-11 s VAR, METAL GLAZE 1k

RV201 1-230-523-11 s VAR, METAL GLAZE 10k

RV202 1-226-777-00 s VAR, METAL GLAZE 1M

RV203 1-230-520-11 s VAR, METAL GLAZE 1k

RV204 1-230-526-11 s VAR, METAL GLAZE 47k

RV205 1-230-526-11 s VAR, METAL GLAZE 47k

RV206 1-237-036-11 s VAR, CERMET 10k

RV207 1-228-459-00 s VAR, CERMET 10k

RV208 1-228-463-00 s VAR, CERMET 200k

RV209 1-228-455-00 s VAR, CERMET 500

RV210 1-228-457-00 s VAR, CERMET 2k

RV211 1-228-454-00 s VAR, CERMET 200

RV212 1-230-522-11 s VAR, METAL GLAZE 4.7k

RV214 1-228-457-00 s VAR, CERMET 2k

RV302 1-230-523-11 s VAR, METAL GLAZE 10k

RV303 1-228-461-00 s VAR, CERMET 50k

RV304 1-228-457-00 s VAR, CERMET 2k

RV402 1-230-523-11 s VAR, METAL GLAZE 10k

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

RV403 1-230-526-11 s VAR, METAL GLAZE 47k
 RV404 1-230-521-11 s VAR, METAL GLAZE 2.2k

TH1 1-800-198-11 s S-1k
 TH101 1-800-200-00 s S-3K
 TH102 1-800-198-11 s S-1k
 TH202 1-800-198-11 s S-1k

X501 1-567-863-11 s VIBRATOR, CRYSTAL 10.664MHz

Ref No. Parts No. SP Description

Q51 8-729-271-22 s 2SC2712-G
 Q52 8-729-216-21 s 2SA1162-Y
 Q57 8-729-216-21 s 2SA1162-Y
 Q58 8-729-216-21 s 2SA1162-Y
 Q60 8-729-200-46 s 2SD1160

S1 1-570-856-11 s SLIDE
 S2 1-570-856-11 s SLIDE
 S3 1-570-856-11 s SLIDE
 S4 1-570-856-11 s SLIDE
 S5 1-570-856-11 s SLIDE

S6 1-570-832-11 s SLIDE

 MS-22 BOARD

A-6713-295-A o MOUNTED CIRCUIT BOARD, MS-22

TMI 1-548-152-11 o HOUR METER, DIGITAL

1-564-026-00 s CONTACT, RECEPTACLE

 MT-34 BOARD

This board includes the VR-64 Board.

1-622-889-14 o PRINTED CIRCUIT BOARD, MT-34

C2 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C3 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C4 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C7 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C8 1-135-093-21 s TANTAL. CHIP 10 10% 16V

C9 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C10 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C57 1-126-101-11 s ELECT 100 20% 16V
 C58 1-126-101-11 s ELECT 100 20% 16V
 CG1 1-124-234-00 s ELECT 22 20% 16V

CG2 1-126-101-11 s ELECT 100 20% 16V
 CG3 1-126-101-11 s ELECT 100 20% 16V
 CG5 1-124-556-11 s ELECT 2200 20% 16V

C11 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C12 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C13 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C14 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C31 1-135-093-21 s TANTAL. CHIP 10 10% 16V

C32 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C33 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C34 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C51 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C52 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

C53 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C54 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C62 1-126-101-11 s ELECT 100 20% 16V
 C63 1-126-101-11 s ELECT 100 20% 16V
 C71 1-135-093-21 s TANTAL. CHIP 10 10% 16V

C72 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C73 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C74 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C94 1-126-101-11 s ELECT 100 20% 16V
 C97 1-126-101-11 s ELECT 100 20% 16V

CN1 1-562-966-21 o SOCKET, 22P
 CN906 1-562-154-11 o HOUSING, 9P
 CN907 1-562-156-11 o HOUSING, 11P
 CN931 1-562-155-11 o HOUSING, 10P
 CN966 1-562-151-11 o HOUSING, 6P

CN976 1-562-151-11 o HOUSING, 6P

CN1 1-562-966-21 o SOCKET, 22P
 CN9 1-564-548-11 o PIN, BOARD TO BOARD 5P
 CN10 1-564-548-11 o PIN, BOARD TO BOARD 5P

IC1 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC2 8-759-700-84 s NJM2041M-D (JRC)
 IC3 8-759-200-67 s TC4001BF (TOSHIBA)
 IC4 8-759-745-64 s NJM4560M (JRC)
 IC5 8-759-700-50 s NJM386M (JRC)

D1 8-719-100-05 s 1S2837
 D2 8-719-100-05 s 1S2837
 D3 8-719-945-27 s SLH-34YT3
 D4 8-719-945-27 s SLH-34YT3
 D5 8-719-945-27 s SLH-34YT3

Q1 8-729-901-01 s DTC144EK
 Q2 8-729-901-01 s DTC144EK
 Q3 8-729-400-76 s 2SD1030
 Q4 8-729-400-76 s 2SD1030
 Q5 8-729-400-76 s 2SD1030

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

D6 8-719-945-27 s SLH-34YT3
 D7 8-719-101-23 s ISS123
 D8 8-719-110-05 s RD8.2ES-B
 D9 8-719-100-05 s IS2837
 D10 8-719-110-38 s RD15ES-B
 D11 8-719-945-27 s SLH-34YT3
 D12 8-719-945-27 s SLH-34YT3
 D13 8-719-945-27 s SLH-34YT3
 D14 8-719-945-27 s SLH-34YT3

IC1 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC2 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC3 8-759-208-11 s TC4053BFNB (TOSHIBA)
 IC4 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC5 8-759-700-84 s NJM2041M-D (JRC)
 IC6 8-759-700-84 s NJM2041M-D (JRC)
 IC7 8-759-700-84 s NJM2041M-D (JRC)
 IC8 8-759-700-84 s NJM2041M-D (JRC)

Q1 8-729-271-22 s 2SC2712-G
 Q2 8-729-271-22 s 2SC2712-G
 Q3 8-729-271-22 s 2SC2712-G
 Q4 8-729-271-22 s 2SC2712-G
 Q5 8-729-271-22 s 2SC2712-G
 Q6 8-729-216-21 s 2SA1162-Y

2)R12 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
 2)R13 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
 2)R16 1-216-669-11 s METAL CHIP 100K 0.50% 1/10W
 2)R17 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
 2)R32 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
 2)R33 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
 2)R36 1-216-669-11 s METAL CHIP 100K 0.50% 1/10W
 2)R37 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
 2)R52 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
 2)R53 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
 2)R56 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
 2)R57 1-216-673-11 s METAL CHIP 8.2K 0.50% 1/10W
 2)R72 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
 2)R73 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
 2)R76 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
 2)R77 1-216-673-11 s METAL CHIP 8.2K 0.50% 1/10W
 2)R211 1-216-664-11 s METAL CHIP 3.6K 0.50% 1/10W
 2)R231 1-216-664-11 s METAL CHIP 3.6K 0.50% 1/10W

RV5 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV6 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV7 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV8 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV9 1-230-523-11 s VAR, METAL GLAZE 10k

Ref No. Parts No. SP Description

RV10 1-230-523-11 s VAR, METAL GLAZE 10k
 RV11 1-230-523-11 s VAR, METAL GLAZE 10k
 RV12 1-230-524-11 s VAR, METAL GLAZE 22k
 RV13 1-230-524-11 s VAR, METAL GLAZE 22k
 RV201 1-230-521-11 s VAR, METAL GLAZE 2.2K
 RV221 1-230-521-11 s VAR, METAL GLAZE 2.2K

MTS-2 BOARD

1-622-914-12 o PRINTED CIRCUIT BOARD, MTS-2

S1 1-570-857-11 s SLIDE

NR-18 BOARD

All of the component parts on the NR-18 Board are supplied together when you order the CEC-3P Board.

1-622-878-14 o PRINTED CIRCUIT BOARD, NR-18

C6 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C7 1-135-093-21 s TANTAL. CHIP 10 10% 16V

CN1 1-566-092-11 o PIN, BOARD TO BOARD 7P

IC1 8-752-030-80 s CXA1039M (SONY)

Q1 8-729-201-27 s 2SC2715-Y
 Q2 8-729-201-27 s 2SC2715-Y
 Q3 8-729-201-27 s 2SC2715-Y
 Q4 8-729-201-27 s 2SC2715-Y
 Q5 8-729-201-27 s 2SC2715-Y
 Q6 8-729-201-27 s 2SC2715-Y
 Q7 8-729-200-86 s 2SC2714-o
 Q8 8-729-122-63 s 2SA1226
 Q9 8-729-200-86 s 2SC2714-o
 Q10 8-729-122-63 s 2SA1226

Q11 8-729-201-27 s 2SC2715-Y
 Q12 8-729-201-27 s 2SC2715-Y
 Q13 8-729-201-27 s 2SC2715-Y
 Q14 8-729-201-27 s 2SC2715-Y
 Q15 8-729-201-27 s 2SC2715-Y
 Q16 8-729-201-27 s 2SC2715-Y

R5 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R6 1-216-661-11 s METAL CHIP 2.7K 0.50% 1/10W
 R16 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R23 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R26 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

R33 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R34 1-126-653-11 s METAL CHIP 1.2k 0.50% 1/10W

RV1 1-228-472-00 s VAR, CERMET 2k
 RV2 1-228-472-00 s VAR, CERMET 2k
 RV3 1-228-476-00 s VAR, CERMET 50k
 RV4 1-228-473-00 s VAR, CERMET 5k
 RV5 1-228-472-00 s VAR, CERMET 2k
 RV6 1-228-473-00 s VAR, CERMET 5k
 RV7 1-228-473-00 s VAR, CERMET 5k

TH1 1-800-200-00 s S-3K

NR-19 BOARD

All of the component parts on the NR-19 Board are supplied together when you order the AU-93P Board.

1-622-888-11 o PRINTED CIRCUIT BOARD, NR-19

C1 1-124-225-00 s ELECT 100 20% 6.3V
 C4 1-162-587-91 s CERAMIC CHIP 0.039 10% 25V
 C9 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C12 1-135-104-00 s TANTAL. CHIP 10 10% 4V
 C13 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V

C14 1-124-225-00 s ELECT 100 20% 6.3V
 C15 1-124-225-00 s ELECT 100 20% 6.3V
 C19 1-162-587-91 s CERAMIC CHIP 0.039 10% 25V
 C23 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C26 1-135-104-00 s TANTAL. CHIP 10 10% 4V

C27 1-135-072-21 s TANTAL. CHIP 0.22 10%
 C28 1-124-225-00 s ELECT 100 20% 6.3V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-752-009-90 s CX20099 (SONY)

R2 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R4 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R5 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R6 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R7 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R8 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W
 R10 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R11 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R12 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R15 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R16 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R17 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R18 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R19 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R20 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W

Ref No. Parts No. SP Description

R22 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R23 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R24 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W

PA-60 BOARD

All of the component parts on the PA-60 Board are supplied together when you order the MDM-3P Board.

1-622-862-11 o PRINTED CIRCUIT BOARD, PA-60

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-112-53 s uPC1663G (NEC)
 IC2 8-759-112-53 s uPC1663G (NEC)

R1 1-216-635-11 s METAL CHIP, 220 0.50% 1/10W
 R2 1-216-635-11 s METAL CHIP, 220 0.50% 1/10W
 R5 1-216-635-11 s METAL CHIP, 220 0.50% 1/10W
 R8 1-216-635-11 s METAL CHIP, 220 0.50% 1/10W
 R9 1-216-635-11 s METAL CHIP, 220 0.50% 1/10W

R10 1-216-635-11 s METAL CHIP, 220 0.50% 1/10W
 RV601 1-228-474-00 s VAR, CERMET 10k
 RV602 1-228-474-00 s VAR, CERMET 10k

PSW-8 BOARD

1-622-909-16 o PRINTED CIRCUIT BOARD, PSW-8

CN51 1-564-198-00 o PIN HEADER, ANGLE 5P
 CN52 1-564-197-00 o PIN HEADER, ANGLE 4P
 CN53 1-564-198-00 o PIN HEADER, ANGLE 5P
 CN54 1-564-196-00 o PIN HEADER, ANGLE 3P
 CN55 1-564-201-00 o PIN HEADER, ANGLE 10P

CN58 1-564-012-00 o PIN, 2P

D52 8-719-200-02 s 10E2
 D53 8-719-911-19 s 1SS119
 D54 8-719-911-19 s 1SS119
 D55 8-719-200-02 s 10E2
 D56 8-719-911-19 s 1SS119

IC51 8-759-982-31 s RC78M05FA (RAYTHEON)

L1 1-459-155-00 s COIL (WITH CORE) 45

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

Q51 8-729-206-11 s 2SA1244-Y
 Q52 8-729-901-98 s 2SA1036K-R
 Q53 8-729-900-53 s DTC114EK
 Q54 8-729-900-53 s DTC114EK
 Q55 8-729-901-01 s DTC144EK

R53 1-247-744-11 s CARBON 270 5% 1/2W

RF-16 BOARD

All of the component parts on the RF-16 Board are supplied together when you order the MDM-3P Board.

1-622-863-14 o PRINTED CIRCUIT BOARD, RF-16

C15 1-135-096-21 s TANTAL. CHIP 4.7 10% 10V
 C17 1-135-093-21 s TANTAL. CHIP 10 10% 16V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

FB1 1-543-309-12 s BEAD, FERRITE

IC1 8-766-001-49 s TX429M
 IC2 8-759-111-69 s uPC1037HA (NEC)
 IC3 8-759-908-17 s TL082CPS (TI)

L1 1-408-773-31 s CHIP 4.7

Q1 8-729-122-63 s 2SA1226
 Q2 8-729-122-63 s 2SA1226
 Q3 8-729-122-63 s 2SA1226
 Q4 8-729-201-27 s 2SC2715-Y
 Q5 8-729-201-27 s 2SC2715-Y

Q6 8-729-400-76 s 2SD1030
 Q7 8-729-201-27 s 2SC2715-Y
 Q8 8-729-201-27 s 2SC2715-Y
 Q9 8-729-216-21 s 2SA1162-Y

R35 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R36 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R37 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R38 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R39 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

RV603 1-228-473-00 s VAR, CERMET 5k

Ref No. Parts No. SP Description

RG-24 BOARD

All of the component parts on the RG-24 Board are supplied together when you order the MDM-3P Board.

1-628-302-11 o PRINTED CIRCUIT BOARD, RG-24

CN1 1-506-592-11 s PIN, BOARD TO BOARD 4P

IC1 8-759-908-15 s TL431CLP (TOSHIBA)

R2 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R3 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R4 1-216-649-11 s METAL CHIP 820 0.50% 1/10W

RM-54 BOARD

1-622-910-11 o PRINTED CIRCUIT BOARD, RM-54

RMD-1 BOARD

1-622-911-13 o PRINTED CIRCUIT BOARD, RMD-1

1-564-026-00 s CONTACT, RECEPTACLE

CN806 1-562-149-11 o HOUSING, 4P

SD-16P BOARD

A A-6715-381-A o MOUNTED CIRCUIT BOARD, SD-16P

C1	1-131-374-00	s TANTALUM 33 10% 10V
C3	1-124-120-11	s ELECT 220 20% 16V
9)C7	1-126-101-11	s ELECT 100 20% 16V
10)C7	1-124-119-11	s ELECT 330 20% 16V
C11	1-126-101-11	s ELECT 100 20% 16V
C15	1-126-101-11	s ELECT 100 20% 16V
C17	1-124-343-00	s ELECT 2200 20% 16V
C19	1-124-120-11	s ELECT 220 20% 16V
C20	1-124-120-11	s ELECT 220 20% 16V
C23	1-124-477-11	s ELECT 47 20% 16V

C25	1-124-477-11	s ELECT 47 20% 16V
C30	1-124-499-11	s ELECT 1 20% 50V
C31	1-124-499-11	s ELECT 1 20% 50V
C42	1-124-499-11	s ELECT 1 20% 50V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

CN3 1-564-204-00 o PIN HEADER, STRAIGHT 3P
 CN4 1-564-204-00 o PIN HEADER, STRAIGHT 3P

D2 8-719-100-03 s IS2835
 D3 8-719-100-03 s IS2835
 D4 8-719-982-04 s ERB81-004
 D5 8-719-982-04 s ERB81-004
 D6 8-719-982-04 s ERB81-004
 D7 8-719-100-03 s IS2835
 D8 8-719-982-04 s ERB81-004
 D9 8-719-982-04 s ERB 81-004
 D10 8-719-100-03 s IS2835
 D11 8-719-100-03 s IS2835

D12 8-719-100-05 s IS2837
 D13 8-719-101-23 s ISS123
 D14 8-719-910-75 s IIZ782L
 D15 8-719-100-05 s IS2837
 D16 8-719-101-23 s ISS123

D17 8-719-100-05 s IS2837

FBI 1-535-178-00 s FERRITE

IC1 8-749-911-54 s BX1154 (SONY)
 IC2 8-759-700-07 s NJM2903M (JRC)
 IC3 8-759-100-94 s uPC358G2 (NEC)
 IC4 8-759-700-07 s NJM2903M (JRC)
 IC5 8-759-100-95 s uPC324G2 (NEC)
 IC6 8-759-100-94 s uPC358G2 (NEC)
 IC7 8-759-904-94 s TL494CN (T1)
 IC8 8-759-100-94 s uPC358G2 (NEC)

L1 1-408-298-21 s CHOKE 2mH
 L2 1-459-155-00 s (WITH CORE) 45
 L3 1-408-298-21 s CHOKE 2mH
 L4 1-408-298-21 s CHOKE 2mH
 L5 1-408-519-00 s CHOKE 100uH
 L6 1-408-519-00 s CHOKE 100uH

Q1 8-729-901-01 s DTC144EK
 Q2 8-729-901-01 s DTC144EK
 Q3 8-729-901-01 s DTC144EK
 Q4 8-729-901-01 s DTC144EK
 Q5 8-729-901-01 s DTC144EK
 Q6 8-729-216-21 s 2SA1162-Y
 Q7 8-729-901-01 s DTC144EK
 Q8 8-729-901-04 s DTA114EK
 Q9 8-729-216-21 s 2SA1162-Y
 Q10 8-729-200-46 s 2SD1160
 Q11 8-729-901-01 s DTC144EK
 Q12 8-729-216-21 s 2SA1162-Y
 Q13 8-729-113-33 s 2SB733-4
 Q14 8-729-901-01 s DTC144EK
 Q15 8-729-216-21 s 2SA1162-Y
 Q16 8-729-113-33 s 2SB733-4
 Q17 8-729-113-33 s 2SB733-4
 Q18 8-729-216-21 s 2SA1162-Y

Ref No. Parts No. SP Description

Q19 8-729-901-01 s DTC144EK
 Q20 8-729-901-01 s DTC144EK
 Q21 8-729-901-04 s DTA114EK
 Q22 8-729-216-21 s 2SA1162-Y
 Q23 8-729-901-01 s DTC144EK

Q24 8-729-109-44 s 2SK94
 Q25 8-729-216-21 s 2SA1162-Y
 Q26 8-729-901-01 s DTC144EK
 Q27 8-729-901-04 s DTA114EK
 Q28 8-729-271-22 s 2SC2712-G

Q29 8-729-216-21 s 2SA1162-Y
 Q30 8-729-901-01 s DTC144EK
 Q31 8-729-216-21 s 2SA1162-Y

R13 1-247-711-11 s CARBON 680 5% 1/4W
 R29 1-247-704-11 s CARBON 220 5% 1/4W
 R30 1-247-713-11 s CARBON 1k 5% 1/4W

△ R40 1-216-393-00 s WIREWOUND 2.2 10% 3W F
 R48 1-247-704-11 s CARBON 220 5% 1/4W
 R49 1-247-713-11 s CARBON 1k 5% 1/4W

△ RG3 1-216-393-00 s WIREWOUND 2.2 10% 3W F

R91 1-247-742-11 s CARBON 180 5% 1/2W

SG-137 BOARD

All of the component parts on the SG-137 Board are supplied together when you order the AU-93P Board.

1-623-411-12 o PRINTED CIRCUIT BOARD, SG-137

C1 1-135-088-21 s TANTAL. CHIP 2.2 10% 20V
 C6 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

CN1 1-564-549-11 s PIN. BOARD TO BPARD 10P

IC1 8-759-205-21 s TC74HC221F (TOSHIBA)
 IC2 8-759-205-06 s TC74HC74F (TOSHIBA)

U1 1-408-794-00 s CHIP 270

Q1 8-729-901-06 s DTA144EK
 Q2 8-729-271-22 s 2SC2712-G
 Q3 8-729-271-22 s 2SC2712-G
 Q4 8-729-271-22 s 2SC2712-G
 Q5 8-729-271-22 s 2SC2712-G

Q6 8-729-271-22 s 2SC2712-G
 Q7 8-729-271-22 s 2SC2712-G

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
R2	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R4	1-216-692-11	s	METAL CHIP 51k 0.50% 1/10W
RV1	1-237-555-11	s	VAR, CERMET 10k

SV-94P BOARD

A-6715-380-A o MOUNTED CIRCUIT BOARD, SV-94P

C9	1-163-033-00	s	CERAMIC CHIP 0.022 10% 25V
C10	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C11	1-135-083-00	s	TANTAL. CHIP 0.47 10% 25V
C29	1-135-096-21	s	TANTAL. CHIP 4.7 10% 10V
C32	1-162-638-11	s	CERAMIC CHIP 1 16V
C34	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C39	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C40	1-162-587-91	s	CERAMIC CHIP 0.039 10% 25V
C41	1-163-016-00	s	CERAMIC CHIP 0.0039 10% 50V
C44	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C45	1-135-083-00	s	TANTAL. CHIP 0.47 10% 25V
C47	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C48	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C49	1-135-092-21	s	TANTAL. CHIP 3.3 10% 16V
C50	1-135-092-21	s	TANTAL. CHIP 3.3 10% 16V
C53	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C54	1-135-097-21	s	TANTAL. CHIP 15 10% 10V
C57	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C59	1-163-033-00	s	CERAMIC CHIP 0.022 10% 25V
C60	1-163-033-00	s	CERAMIC CHIP 0.022 10% 25V

C61	1-135-098-21	s	TANTAL. CHIP 47 20% 6.3V
C62	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C69	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C73	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C75	1-135-097-21	s	TANTAL. CHIP 15 10% 10V
C76	1-135-098-21	s	TANTAL. CHIP 47 20% 6.3V
C77	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C80	1-135-125-21	s	TANTAL. CHIP 33 20% 6.3V
C81	1-135-125-21	s	TANTAL. CHIP 33 20% 6.3V
C82	1-135-096-21	s	TANTAL. CHIP 4.7 10% 10V
C83	1-135-096-21	s	TANTAL. CHIP 4.7 10% 10V
C87	1-135-084-21	s	TANTAL. CHIP 1.5 10% 25V
C88	1-135-084-21	s	TANTAL. CHIP 1.5 10% 25V
C89	1-135-125-21	s	TANTAL. CHIP 33 20% 6.3V
C90	1-135-125-21	s	TANTAL. CHIP 33 20% 6.3V
C91	1-162-638-11	s	CERAMIC CHIP 1 16V
C92	1-135-125-21	s	TANTAL. CHIP 33 20% 6.3V
C93	1-135-125-21	s	TANTAL. CHIP 33 20% 6.3V
C95	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C96	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C97	1-135-096-21	s	TANTAL. CHIP 4.7 10% 10V
C98	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C99	1-163-833-00	s	CERAMIC CHIP 0.068 25V
C101	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C102	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C105	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C106	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C109	1-135-073-21	s	TANTAL. CHIP 0.33 10% 35V
C110	1-135-071-00	s	TANTAL. CHIP 0.1 10% 35V

Ref No.	Parts No.	SP	Description
C111	1-135-073-00	s	TANTAL. CHIP 0.33 10% 35V
C112	1-135-071-21	s	TANTAL. CHIP 0.1 10% 35V
C113	1-135-098-21	s	TANTAL. CHIP 47 20% 6.3V
C115	1-135-083-00	s	TANTAL. CHIP 0.47 10% 25V
C116	1-162-638-11	s	CERAMIC CHIP 1 16V

C127	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C130	1-162-638-11	s	CERAMIC CHIP 1 16V
C137	1-162-638-11	s	CERAMIC CHIP 1 16V
C142	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C150	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V

C200	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C201	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C202	1-135-098-21	s	TANTAL. CHIP 47 20% 6.3V
C515	1-162-638-11	s	CERAMIC CHIP 1 16V
C518	1-162-638-11	s	CERAMIC CHIP 1 16V
C520	1-135-097-21	s	TANTAL. CHIP 15 10% 10V
C521	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C522	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C523	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C527	1-135-093-21	s	TANTAL. CHIP 10 10% 16V

C529	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C802	1-162-638-11	s	CERAMIC CHIP 1 16V
C803	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C807	1-163-833-00	s	CERAMIC CHIP 0.068 25V
C808	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C809	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C810	1-135-098-21	s	TANTAL. CHIP 47 20% 6.3V
C811	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C812	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C813	1-124-584-00	s	ELECT 100 20% 10V

C814	1-135-091-00	s	TANTAL. CHIP 1 10% 16V
C815	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V

CN10	1-563-017-11	o	F.P.C 30P
CN13	1-566-093-11	o	PIN, BOARD TO BOARD 8P
CN14	1-566-093-11	o	PIN, BOARD TO BOARD 7P
CN15	1-566-098-11	o	PIN, BOARD TO BOARD 14P
CN16	1-566-095-11	o	PIN, BOARD TO BOARD 11P

CN17 1-564-548-11 o PIN, BOARD TO BOARD 5P

D3	8-719-100-05	s	1S2837
D4	8-719-101-23	s	1SS123
D5	8-719-100-05	s	1S2837
D6	8-719-100-05	s	1S2837
D7	8-719-100-05	s	1S2837

D8	8-719-100-05	s	1S2837
D9	8-719-100-05	s	1S2837
D10	8-719-100-05	s	1S2837

D11	8-719-101-23	s	1SS123
D12	8-719-101-23	s	1SS123
D13	8-719-101-23	s	1SS123
D14	8-719-100-05	s	1S2837

8)D15	8-719-911-19	s	1SS119
8)D16	8-719-911-19	s	1SS119

D17	8-719-100-05	s	1S2837
D19	8-719-100-05	s	1S2837
D20	8-719-100-05	s	1S2837

D21	8-719-100-05	s	1S2837
D22	8-719-100-05	s	1S2837

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
D23	8-719-100-05	s	1S2837	IC57	8-759-200-99	s	TC4051BF (TOSHIBA)
D24	8-719-911-19	s	1SS119	IC58	8-759-200-99	s	TC4051BF (TOSHIBA)
D25	8-719-100-05	s	1S2837	IC62	8-759-700-07	s	NJM2903M (JRC)
D26	8-719-101-23	s	1SS123	IC64	8-759-200-67	s	TC4001BF (TOSHIBA)
IC1	8-759-105-85	s	uPD6111G (NEC)	IC66	8-759-200-83	s	TC4071BF (TOSHIBA)
IC2	1-807-984-12	s	BH1811	IC67	8-759-200-82	s	TC4069UBF (TOSHIBA)
IC3	8-807-985-21	s	BH1812-A	IC69	8-759-200-99	s	TC4051BF (TOSHIBA)
IC4	8-749-909-15	s	BX3915A (SONY)	IC70	8-759-200-99	s	TC4051BF (TOSHIBA)
IC5	8-759-200-90	s	TC4538BF (TOSHIBA)	IC71	8-759-200-99	s	TC4051BF (TOSHIBA)
IC6	8-759-208-11	s	TC4053BFHB (TOSHIBA)	IC72	8-759-200-99	s	TC4051BF (TOSHIBA)
7) IC7	8-759-200-68	s	TC4011BF (TOSHIBA)	IC73	8-759-700-07	s	NJM2903M (JRC)
8) IC7	8-759-008-79	s	MC14011BF (MOTOROLA)	IC74	8-759-100-94	s	uPC358G2 (NEC)
IC8	8-759-200-90	s	TC4538BF (TOSHIBA)	IC75	8-759-943-88	s	MB88201H-558N (FUJITSU)
7) IC9	8-759-205-78	s	TC504013BF (TOSHIBA)	IC76	8-759-943-89	s	MB88201H-559G (FUJITSU)
8) IC9	8-759-932-98	s	BU4013BF (ROHM)	IC77	8-759-208-11	s	TC4053BFHB (TOSHIBA)
IC10	8-759-208-11	s	TC4053BFHB (TOSHIBA)	IC78	8-759-200-67	s	TC4001BF (TOSHIBA)
IC11	8-759-201-95	s	TC40H386F (TOSHIBA)	IC79	8-759-200-90	s	TC4538BF (TOSHIBA)
IC12	8-759-200-90	s	TC4538BF (TOSHIBA)	L1	1-408-789-21	s	CHIP 100
7) IC13	8-759-205-78	s	TC504013BF (TOSHIBA)	L2	1-408-789-21	s	CHIP 100
8) IC13	8-759-932-98	s	BU4013BF (ROHM)	L3	1-408-789-21	s	CHIP 100
IC14	8-759-340-46	s	HD14046BP (HIITACHI)	L4	1-410-071-11	s	MICRO 10mH
IC15	8-759-200-84	s	TC4081BF (TOSHIBA)	Q1	8-729-901-01	s	DTC144EK
IC16	8-759-100-95	s	uPC324G2 (NEC)	Q2	8-729-200-86	s	2SC2714-0
IC17	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q3	8-729-271-22	s	2SC2712-G
IC18	8-759-200-90	s	TC4538BF (TOSHIBA)	Q4	8-729-271-22	s	2SC2712-G
IC19	8-759-200-90	s	TC4538BF (TOSHIBA)	Q5	8-729-901-01	s	DTC144EK
IC20	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q7	8-729-901-01	s	DTC144EK
IC21	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q8	8-729-109-44	s	2SK94
IC22	8-759-100-95	s	uPC324G2 (NEC)	Q9	8-729-400-76	s	2SD1030
IC24	8-759-100-95	s	uPC324G2 (NEC)	Q11	8-729-901-01	s	DTC144EK
IC26	8-759-100-94	s	uPC358G2 (NEC)	Q13	8-729-901-01	s	DTC144EK
IC27	8-759-100-95	s	uPC324G2 (NEC)	Q14	8-729-901-01	s	DTC144EK
IC28	8-759-100-96	s	uPC4558G2 (NEC)	Q15	8-729-901-01	s	DTC144EK
IC29	8-759-100-95	s	uPC324G2 (NEC)	Q16	8-729-271-22	s	2SC2712-G
IC31	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q17	8-729-901-01	s	DTC144EK
IC32	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q18	8-729-901-01	s	DTC144EK
IC33	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q20	8-729-901-01	s	DTC144EK
IC34	8-759-200-90	s	TC4538BF (TOSHIBA)	Q21	8-729-901-01	s	DTC144EK
7) IC35	8-759-205-78	s	TC504013BF (TOSHIBA)	Q22	8-729-901-01	s	DTC144EK
8) IC35	8-759-932-98	s	BU4013BF (ROHM)	Q23	8-729-901-01	s	DTC144EK
IC36	8-759-200-90	s	TC4538BF (TOSHIBA)	Q24	8-729-901-01	s	DTC144EK
IC37	8-759-100-94	s	uPC358G2 (NEC)	Q27	8-729-901-01	s	DTC144EK
IC38	8-759-700-07	s	NJM2903M (JRC)	Q28	8-729-901-01	s	DTC144EK
IC39	8-759-100-94	s	uPC358G2 (NEC)	Q29	8-729-901-01	s	DTC144EK
IC40	8-759-100-94	s	uPC358G2 (NEC)	Q30	8-729-901-01	s	DTC144EK
IC41	8-759-100-94	s	uPC358G2 (NEC)	Q31	8-729-901-01	s	DTC144EK
IC42	8-759-700-07	s	NJM2903M (JRC)	Q32	8-729-901-01	s	DTC144EK
IC43	8-759-207-74	s	TC4030BFHB (TOSHIBA)	Q34	8-729-901-01	s	DTC144EK
IC44	8-759-200-67	s	TC4001BF (TOSHIBA)	Q35	8-729-901-01	s	DTC144EK
IC45	8-759-200-82	s	TC4069UBF (TOSHIBA)	Q36	8-729-901-01	s	DTC144EK
IC46	8-759-200-83	s	TC4071BF (TOSHIBA)	Q39	8-729-901-01	s	DTC144EK
IC48	8-759-200-80	s	TC4050BF (TOSHIBA)	Q40	8-729-901-01	s	DTC144EK
IC50	8-759-200-82	s	TC4069UBF (TOSHIBA)	Q41	8-729-901-01	s	DTC144EK
IC51	8-759-700-07	s	NJM2903M (JRC)	Q42	8-729-901-01	s	DTC144EK
IC52	8-759-200-90	s	TC4538BF (TOSHIBA)	Q43	8-729-901-01	s	DTC144EK
IC53	8-759-100-95	s	uPC324G2 (NEC)	Q44	8-729-271-22	s	2SC2712-G
IC54	8-759-200-77	s	TC4028BF (TOSHIBA)				
IC55	8-759-100-95	s	uPC324G2 (NEC)				
IC56	8-759-208-09	s	TC4052BFHB (TOSHIBA)				

Parts that are not listed in the "reference numbers order list"
are shown in the "General Purpose Electrical Parts List".

SV-94P, SW-24, SW-203, SWC-3, SY-110

Ref No. Parts No. SP Description

Q45	8-729-901-01	s	DTC144EK
Q46	8-729-901-01	s	DTC144EK
Q47	8-729-901-01	s	DTC144EK
Q48	8-729-900-89	s	DTC144ES
Q49	8-729-900-89	s	DTC144ES
Q50	8-729-900-89	s	DTC144ES
Q52	8-729-901-01	s	DTC144EK
Q53	8-729-901-01	s	DTC144EK
Q54	8-729-901-01	s	DTC144EK
Q55	8-729-901-01	s	DTC144EK
R20	1-216-698-11	s	METAL CHIP 91k 0.50% 1/10W
R22	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R23	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R26	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R27	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R34	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R35	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R41	1-216-689-11	s	METAL CHIP 39k 0.50% 1/10W
R124	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R125	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R126	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R127	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R134	1-216-669-11	s	METAL CHIP 5.6k 0.50% 1/10W
R135	1-216-669-11	s	METAL CHIP 5.6k 0.50% 1/10W
R140	1-216-659-11	s	METAL 2.2k 0.5% 1/10W
R141	1-216-649-11	s	METAL CHIP 820 0.5.% 1/10W
R229	1-216-692-00	s	METAL CHIP 51k 0.50% 1/10W
R335	1-216-082-00	s	METAL CHIP 24k 5% 1/10W
R336	1-216-082-00	s	METAL CHIP 24k 5% 1/10W
R342	1-216-082-00	s	METAL CHIP 24k 5% 1/10W
R345	1-216-082-00	s	METAL CHIP 24k 5% 1/10W
R350	1-216-692-11	s	METAL CHIP 51k 0.50% 1/10W
R351	1-216-748-11	s	METAL CHIP 39k 5% 1/10W
R427	1-216-696-11	s	CHIP 75k 0.50% 1/10W

Ref No. Parts No. SP Description

RV32	1-230-524-11	s	VAR, METAL GLAZE 22k
RV33	1-230-524-11	s	VAR, METAL GLAZE 22k
RV34	1-230-524-11	s	VAR, METAL GLAZE 22k
RV35	1-230-524-11	s	VAR, METAL GLAZE 22k
RV36	1-230-522-11	s	VAR, METAL GLAZE 4.7
RV37	1-230-522-11	s	VAR, METAL GLAZE 4.7
X1	1-567-860-11	s	VIBRATOR, CRYSTAL 4.4336MHz
X2	1-527-822-00	s	CERAMIC 4MHz
X3	1-527-822-00	s	CERAMIC 4MHz

SW-24 BOARD

1-611-120-11 o PRINTED CIRCUIT BOARD, SW-24

S1 1-553-650-11 s MICRO "UNTHREAD END"

SW-203 BOARD

1-622-899-12 o PRINTED CIRCUIT BOARD, SW-203

S1 1-571-064-11 s MICRO "MISS-REC"

S2 1-571-064-11 s MICRO "MISS-REC"

SWC-3 BOARD

1-617-189-12 o PRINTED CIRCUIT BOARD, SWC-3

CN1 1-564-002-00 o 3P

SY-110 BOARD

A-6717-462-A o MOUNTED CIRCUIT BOARD, SY-110

C1	1-124-245-00	s	ELECT 4.7 20% 25V
C7	1-163-081-00	s	CERAMIC CHIP 0.22 25V
C12	1-129-794-00	s	FILM 0.003 5% 100V
C17	1-129-794-00	s	FILM 0.003 5% 100V
C24	1-124-245-00	s	ELECT 4.7 20% 25V
C25	1-124-245-00	s	ELECT 4.7 20% 25V
C32	1-163-081-00	s	CERAMIC CHIP 0.22 25V
C33	1-163-081-00	s	CERAMIC CHIP 0.22 25V
C34	1-163-081-00	s	CERAMIC CHIP 0.22 25V
C35	1-163-081-00	s	CERAMIC CHIP 0.22 25V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
C36	I-163-081-00	s	CERAMIC CHIP 0.22 25V	Q11	8-719-729-42	s	2SD1164
C37	I-163-081-00	s	CERAMIC CHIP 0.22 25V	Q12	8-729-216-21	s	2SA1162-Y
C38	I-163-081-00	s	CERAMIC CHIP 0.22 25V	Q13	8-729-901-06	s	DTA144EK
C39	I-163-081-00	s	CERAMIC CHIP 0.22 25V	Q14	8-729-900-53	s	DTC114EK
C40	I-163-081-00	s	CERAMIC CHIP 0.22 25V	Q15	8-729-200-46	s	2SD1160
C42	I-119-505-11	s	ELECT 4700 20% 16V	Q16	8-729-216-21	s	2SA1162-Y
C44	I-163-081-00	s	CERAMIC CHIP 0.22 25V	Q17	8-729-901-06	s	DTA144EK
C47	I-163-081-00	s	CERAMIC CHIP 0.22 25V	Q18	8-729-200-46	s	2SD1160
C48	I-163-081-00	s	CERAMIC CHIP 0.22 25V	Q19	8-729-216-21	s	2SA1162-Y
				Q20	8-729-901-06	s	DTA144EK
CN1	I-563-017-11	o	F.P.C 30P	Q21	8-729-900-53	s	DTC114EK
CN2	I-562-686-11	o	F.P.C (26P)	Q22	8-729-200-46	s	2SD1160
CN11	I-564-205-00	o	PIN HEADER, STRAIGHT 4P	Q23	8-729-216-21	s	2SA1162-Y
D1	8-719-100-05	s	IS2837	Q24	8-729-901-06	s	DTA144EK
D2	8-719-101-41	s	RD3.9E-L2	Q25	8-729-200-46	s	2SD1160
D3	8-719-101-67	s	RD7.5E-L2	Q26	8-729-216-21	s	2SA1162-Y
D4	8-719-101-39	s	RD3.6E-L2	Q27	8-729-901-06	s	DTA144EK
D5	8-719-100-05	s	IS2837	Q28	8-729-900-53	s	DTC114EK
D6	8-719-200-02	s	10E2	Q29	8-729-200-46	s	2SD1160
D7	8-719-100-05	s	IS2837	Q30	8-729-216-21	s	2SA1162-Y
D8	8-719-160-69	s	RD18F-B3	Q31	8-729-901-06	s	DTA144EK
D9	8-719-100-05	s	IS2837	Q32	8-729-200-46	s	2SD1160
D10	8-719-200-02	s	10E2	Q33	8-729-216-21	s	2SA1162-Y
D11	8-719-100-05	s	IS2837	Q34	8-729-901-06	s	DTA144EK
D12	8-719-200-02	s	10E2	Q35	8-729-900-53	s	DTC114EK
D13	8-719-160-69	s	RD18F-B3	Q36	8-729-200-46	s	2SD1160
D14	8-719-100-05	s	IS2837	Q37	8-729-216-21	s	2SA1162-Y
D15	8-719-200-02	s	10E2	Q38	8-729-901-06	s	DTA144EK
D16	8-719-101-76	s	RD10E-L2	Q39	8-729-200-46	s	2SD1160
D17	8-719-100-05	s	IS2837	Q40	8-729-901-01	s	DTC114EK
D18	8-719-101-23	s	ISS123	Q41	8-729-901-06	s	DTA144EK
				Q42	8-729-900-53	s	DTC114EK
				Q43	8-729-271-22	s	2SC2712-G
				Q44	8-729-216-21	s	2SA1162-Y
				Q45	8-729-271-22	s	2SC2712-G
IC1	8-759-321-29	s	HD63A01YOG-48P (HITACHI)	Q46	8-729-271-22	s	2SC2712-G
IC2	8-759-938-68	s	CXD10950 (SONY)	Q47	8-729-271-22	s	2SC2712-G
IC3	8-752-809-30	s	CXP5048H-185Q (SONY)				
IC4	8-759-100-93	s	uPC393G2 (NEC)				
IC5	8-759-100-93	s	uPC393G2 (NEC)				
IC6	8-759-927-29	s	SN74HC104NS (TI)	R84	I-216-682-11	s	METAL CHIP 20k 0.50% 1/10W
IC7	8-759-800-72	s	LA7205 (SANYO)	R85	I-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
IC8	8-759-800-72	s	LA7205 (SANYO)	R87	I-216-674-11	s	METAL CHIP 9.1k 0.50% 1/10W
IC9	8-759-208-05	s	TC4520RFHIB (TOSHIBA)	R88	I-216-674-11	s	METAL CHIP 9.1k 0.50% 1/10W
IC10	8-759-205-47	s	TC4040BF (TOSHIBA)	R101	I-216-748-11	s	METAL CHIP 39k 5% 1/10W
IC11	8-759-700-51	s	NJM7805A (JRC)	R103	I-216-748-11	s	METAL CHIP 39k 5% 1/10W
IC12	8-759-941-38	s	BA6229U3 (ROHM)				
IC13	8-759-204-94	s	TC74HC00F (TOSHIBA)				
				RV1	I-228-473-00	s	VAR, CERMET 5k
Q1	8-729-900-53	s	DTC114EK	RV2	I-228-474-00	s	VAR, CERMET 10k
Q2	8-729-901-04	s	DTC114EK				
Q3	8-729-900-53	s	DTC114EK	S1	I-553-252-00	s	ROTARY
Q4	8-729-901-04	s	DTC114EK	S2	I-553-252-00	s	ROTARY
Q5	8-729-271-22	s	2SC2712-G	X1	I-567-862-11	s	VIBRATOR. CRYSTAL 4.9152MHz
Q6	8-729-271-22	s	2SC2712-G				
Q7	8-729-271-22	s	2SC2712-G				
Q8	8-729-271-22	s	2SC2712-G				
Q9	8-729-216-21	s	2SA1162-Y				
Q10	8-729-216-21	s	2SA1162-Y				

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

TC-45P, TG-31, VA-54

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description				
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TC-45P BOARD				D1	8-719-100-05	s	IS2837				
A-6725-580-A	o	MOUNTED CIRCUIT BOARD, TC-45P		IC1	8-759-205-21	s	TC74HC221F (TOSHIBA)				
C4	I-124-140-00	s	ELECT 220 20% 10V	IC2	8-759-205-21	s	TC74HC221F (TOSHIBA)				
C21	I-135-085-21	s	TANTAL. CHIP 4.7 10% 25V	IC3	8-759-205-21	s	TC74HC221F (TOSHIBA)				
C28	I-135-093-21	s	TANTAL. CHIP 10 10% 16V	IC4	8-759-205-21	s	TC74HC221F (TOSHIBA)				
C29	I-135-089-21	s	TANTAL. CHIP 6.8 10% 20V	Q1	8-729-901-06	s	DTA144EK				
D1	8-719-101-23	s	ISS123	Q2	8-729-901-06	s	DTA144EK				
IC1	8-759-708-08	s	NJM78L08A (JRC)	Q3	8-729-901-06	s	DTA144EK				
IC2	8-759-700-09	s	NJM2043M-D (JRC)	Q4	8-729-901-06	s	DTA144EK				
IC3	8-759-100-96	s	uPC4558G2 (NEC)	R3	I-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W				
IC6	8-759-100-96	s	uPC4558G2 (NEC)	R4	I-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W				
IC8	I-808-041-11	s	BS-7462	R5	I-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W				
Q1	8-729-901-01	s	DTC144EK	R6	I-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W				
Q2	8-729-271-22	s	2SC2712-G	R7	I-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W				
Q3	8-729-216-21	s	2SA1162-Y	R8	I-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W				
Q4	8-729-901-01	s	DTC144EK	R9	I-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W				
Q5	8-729-901-01	s	DTC144EK	RV611	I-228-474-00	s	VAR, CERMET 10K				
Q6	8-729-216-21	s	2SA1162-Y	RV612	I-228-474-00	s	VAR, CERMET 10K				
Q7	8-729-400-76	s	2SD1030	RV613	I-228-474-00	s	VAR, CERMET 10K				
Q8	8-729-202-38	s	2SC332GN	RV614	I-228-474-00	s	VAR, CERMET 10K				
Q9	8-729-901-01	s	DTC144EK	RV615	I-237-033-11	s	VAR, CERMET 1k				
Q10	8-729-271-22	s	2SC2712-G	RV616	I-237-033-11	s	VAR, CERMET 1k				
Q11	8-729-901-01	s	DTC144EK	RV617	I-237-033-11	s	VAR, CERMET 1k				
Q12	8-729-901-01	s	DTC144EK	RV618	I-237-033-11	s	VAR, CERMET 1k				
Q13	8-729-901-01	s	DTC144EK	<hr/>							
Q14	8-729-271-22	s	2SC2712-G	VA-54 BOARD							
Q15	8-729-901-01	s	DTC144EK	<hr/>							
Q16	8-729-901-01	s	DTC144EK	All of the component parts on the VA-54 Board are							
Q17	8-729-901-01	s	DTC144EK	supplied together when you order the MDM-3P Board.							
Q18	8-729-271-22	s	2SC2712-G	1-622-865-13	o	PRINTED CIRCUIT BOARD, VA-54					
Q19	8-729-901-01	s	DTC144EK								
Q20	8-729-901-01	s	DTC144EK								
R20	I-216-664-11	s	METAL CHIP 3.6k 0.50% 1/10W	C3	I-135-093-21	s	TANTAL. CHIP 10 10% 16V				
S1	1-570-134-11	s	SLIDE	C4	I-135-093-21	s	TANTAL. CHIP 10 10% 16V				
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TG-31 BOARD				CN1	1-564-549-11	o	PIN, BOARD TO BOARD, 10P				
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All of the component parts on the TG-31 Board are	D1	8-719-101-23	s	ISS123							
supplied together when you order the MDM-3P Board.											
1-622-864-12	o	PRINTED CIRCUIT BOARD, TG-31	IC2	8-752-015-81	s	CX20158 (SONY)					
C10	1-123-661-00	s	ELECT 100 20% 6.3V	<hr/>							
CN1	1-564-549-11	o	PIN, BOARD TO BOARD 10P	Parts that are not listed in the "reference numbers order list"							
				are shown in the "General Purpose Electrical Parts list".							

Ref No. Parts No. SP Description

Q1 8-729-903-10 s FMW1
 Q2 8-729-904-04 s FMS2
 Q3 8-729-907-26 s IMX1
 Q4 8-729-903-82 s FMW2
 Q5 8-729-202-38 s 2SC332GN
 Q6 8-729-202-38 S 2SC332GN

R3 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R4 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R5 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R11 1-216-094-00 s METAL CHIP 75k 5% 1/10W

RV609 1-228-471-00 s VAR, CERMET 1K

VA-68 BOARD

All of the component parts on the VA-68 Board are supplied together when you order the AU-93P Board.

1-623-291-11 o PRINTED CIRCUIT BOARD, VA-68

C6 1-135-096-21 s TANTAL. CHIP 4.7 10% 10V
 C7 1-135-085-21 s TANTAL. CHIP 4.7 10% 25V
 C8 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C9 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C11 1-135-091-00 s TANTAL. CHIP 1 10% 16V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-752-011-10 s CX20111 (SONY)
 IC11 8-752-320-37 s CXL5001M (SONY)
 IC12 8-752-320-37 s CXL5001M (SONY)

Q1 8-729-216-21 s 2SA1162-Y
 Q2 8-729-216-21 s 2SA1162-Y
 Q11 8-729-216-21 s 2SA1162-Y
 Q12 8-729-216-21 s 2SA1162-Y
 Q13 8-729-201-27 s 2SC2715-Y

Q14 8-729-216-21 s 2SA1162-Y
 Q21 8-729-216-21 s 2SA1162-Y
 Q22 8-729-216-21 s 2SA1162-Y
 Q23 8-729-201-27 s 2SC2715-Y
 Q24 8-729-216-21 s 2SA1162-Y

R15 1-216-294-00 s METAL CHIP 10M 5% 1/8W
 R25 1-216-294-00 s METAL CHIP 10M 5% 1/8W

RV11 1-228-473-00 s VAR, CERMET 5K
 RV12 1-228-472-00 s VAR, CERMET 2K
 RV21 1-228-473-00 s VAR, CERMET 5K
 RV22 1-228-472-00 s VAR, CERMET 2K

Ref No. Parts No. SP Description

VR-63 BOARD

1-622-912-11 o PRINTED CIRCUIT BOARD, VR-63

1-564-026-00 s CONTACT, RECEPTACLE

RV1 1-237-790-11 s VAR, CARBON 10K

VR-64 BOARD

All of the component parts on the VR-64 Board are supplied together when you order the MT-34 Board.

1-623-217-12 o PRINTED CIRCUIT BOARD, VR-64

RV1 1-237-790-21 s VAR, CARBON 10K
 RV2 1-237-790-21 s VAR, CARBON 10K

VRA-1 BOARD

A-6711-831-B o MOUNTED CIRCUIT BOARD, VRA-1

C1 1-124-472-11 s ELECT 470 20% 10V
 C2 1-162-638-11 s CERAMIC CHIP 1 16V
 C3 1-162-638-11 s CERAMIC CHIP 1 16V
 C4 1-162-638-11 s CERAMIC CHIP 1 16V
 C5 1-162-638-11 s CERAMIC CHIP 1 16V

C6 1-162-638-11 s CERAMIC CHIP 1 16V
 C7 1-162-638-11 s CERAMIC CHIP 1 16V
 C8 1-162-638-11 s CERAMIC CHIP 1 16V
 C9 1-162-638-11 s CERAMIC CHIP 1 16V
 C10 1-162-638-11 s CERAMIC CHIP 1 16V

C11 1-162-638-11 s CERAMIC CHIP 1 16V
 C12 1-162-638-11 s CERAMIC CHIP 1 16V
 C13 1-162-638-11 s CERAMIC CHIP 1 16V

D1 8-719-106-53 s RD10M-B2

IC101 1-807-991-11 s BH1806
 IC102 1-807-991-11 s BH1806
 IC201 1-807-991-11 s BH1806
 IC202 1-807-991-11 s BH1806

L2 1-408-777-00 s CHIP 10
 L4 1-408-777-00 s CHIP 10

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

Q6 8-729-271-22 s 2SC2712-G
 Q7 8-729-901-01 s DTC144EK
 Q8 8-729-271-22 s 2SC2712-G
 Q9 8-729-901-01 s DTC144EK
 Q10 8-729-216-21 s 2SA1162-Y

Q11 8-729-216-21 s 2SA1162-Y
 Q101 8-729-200-86 s 2SC2714-o
 Q102 8-729-271-22 s 2SC2712-G
 Q103 8-729-271-22 s 2SC2712-G
 Q104 8-729-122-63 s 2SA1226

Q105 8-729-122-63 s 2SA1226
 Q106 8-729-122-63 s 2SA1226
 Q107 8-729-122-63 s 2SA1226
 Q108 8-729-202-38 s 2SC3326N
 Q109 8-729-202-38 s 2SC3326N

Q110 8-729-202-38 s 2SC3326N
 Q111 8-729-202-38 s 2SC3326N
 Q201 8-729-200-86 s 2SC2714-o
 Q202 8-729-271-22 s 2SC2712-G
 Q203 8-729-271-22 s 2SC2712-G

Q204 8-729-122-63 s 2SA1226
 Q205 8-729-122-63 s 2SA1226
 Q206 8-729-122-63 s 2SA1226
 Q207 8-729-122-63 s 2SA1226
 Q208 8-729-202-38 s 2SC3326N

Q209 8-729-202-38 s 2SC3326N
 Q210 8-729-202-38 s 2SC3326N
 Q211 8-729-202-38 s 2SC3326N

R124 I-216-603-11 s METAL CHIP 10 0.50% 1/10W
 R125 I-216-603-11 s METAL CHIP 10 0.50% 1/10W
 R224 I-216-603-11 s METAL CHIP 10 0.50% 1/10W
 R225 I-216-603-11 s METAL CHIP 10 0.50% 1/10W

RV101 I-228-456-00 s VAR, CERMET 1k
 RV102 I-228-456-00 s VAR, CERMET 1k
 RV103 I-228-456-00 s VAR, CERMET 1k
 RV104 I-228-456-00 s VAR, CERMET 1k
 RV105 I-228-453-00 s VAR, CERMET 100

RV106 I-228-453-00 s VAR, CERMET 100
 RV107 I-228-455-00 s VAR, CERMET 500
 RV108 I-228-455-00 s VAR, CERMET 500
 RV109 I-228-455-00 s VAR, CERMET 500
 RV110 I-228-455-00 s VAR, CERMET 500

RV201 I-228-456-00 s VAR, CERMET 1k
 RV202 I-228-456-00 s VAR, CERMET 1k
 RV203 I-228-456-00 s VAR, CERMET 1k
 RV204 I-228-456-00 s VAR, CERMET 1k
 RV205 I-228-453-00 s VAR, CERMET 100

RV206 I-228-453-00 s VAR, CERMET 100
 RV207 I-228-455-00 s VAR, CERMET 500
 RV208 I-228-455-00 s VAR, CERMET 500
 RV209 I-228-455-00 s VAR, CERMET 500
 RV210 I-228-455-00 s VAR, CERMET 500

T101 I-427-545-11 s RF OUTPUT
 T102 I-427-545-11 s RF OUTPUT
 T201 I-427-545-11 s RF OUTPUT
 T202 I-427-545-11 s RF OUTPUT

Parts that are not listed in the "reference numbers order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
DC-DC CONVERTER			
	1-464-809-11	s	DC-DC CONVERTER, CD-73
	1-623-107-11	o	PRINTED CIRCUIT BOARD, PK-73M
	1-108-365-51	s	MYLAR 0.001 10% 100V
	2-434-448-01	s	SCREW 2.6x5
	2-403-707-01	s	CASE
	2-431-969-01	s	SHEET, INSULATING
C1	1-127-531-11	s	ELECT (SOLID) 33 20% 20V
C2	1-127-531-11	s	ELECT (SOLID) 33 20% 20V
C3	1-127-531-11	s	ELECT (SOLID) 33 20% 20V
C4	1-127-531-11	s	ELECT (SOLID) 33 20% 20V
C5	1-127-531-11	s	ELECT (SOLID) 33 20% 20V
C8	1-130-030-51	s	FILM 0.01 5% 50V
C9	1-130-030-51	s	FILM 0.01 5% 50V
C10	1-127-531-11	s	ELECT 33 20% 20V
C11	1-127-531-11	s	ELECT 33 20% 20V
C12	1-127-531-11	s	ELECT 33 20% 20V
C13	1-127-531-11	s	ELECT 33 20% 20V
C14	1-127-514-11	s	ELECT 33 20% 16V
C15	1-127-514-11	s	ELECT 33 20% 16V
C16	1-127-515-11	s	ELECT 47 20% 10V
C17	1-127-515-11	s	ELECT 47 20% 10V
C18	1-127-515-11	s	ELECT 47 20% 10V
C19	1-127-515-11	s	ELECT 47 20% 10V
CN1	1-564-205-11	o	PIN HEADER, STRAIGHT 4P
CN2	1-564-210-11	o	PIN HEADER, STRAIGHT 12P
D1	8-719-903-06	s	ERC84-009
D2	8-719-903-06	s	ERC84-009
D3	8-719-907-25	s	ERA84-009
D4	8-719-907-25	s	ERA84-009
D5	8-719-903-06	s	ERC84-009
D6	8-719-903-06	s	ERC84-009
D7	8-719-200-53	s	31DQ04
D8	8-719-200-53	s	31DQ04
D9	8-719-200-53	s	31DQ04
D10	8-719-200-53	s	31DQ04
D11	1-807-675-11	s	ISS131
D12	1-807-675-11	s	ISS131
D13	8-719-100-71	s	RD15E-B2
D14	8-719-100-61	s	RD11E-B2
D15	8-719-100-38	s	RD6.2E-B2
D16	8-719-100-38	s	RD6.2E-B2
L1	1-421-547-11	s	CHOKE 10
L2	1-421-381-11	s	FERRITE CHOKE 220
L3	1-421-547-11	s	CHOKE 10
L4	A-4929-671-A	o	L ASSY, CD-73 910
L5	1-421-547-11	s	CHOKE 10

Ref No.	Parts No.	SP	Description
L6	1-459-215-31	s	(WITH CORE) 120
L7	1-421-547-11	s	CHOKE 10
L8	1-459-215-31	s	(WITH CORE) 120
L9	1-421-547-11	s	CHOKE 10
L10	1-459-215-31	s	(WITH CORE) 120
L11	1-421-547-11	s	CHOKE 10
Q1	8-729-177-43	s	250774
Q2	8-729-177-43	s	250774
Q3	1-807-915-21	s	25C3692-M
Q4	1-807-915-21	s	25C3692-M
R1	1-535-363-11	s	SHUNT
R2	1-244-851-11	s	CARBON 120 5% 1/2W
R3	1-244-851-11	s	CARBON 120 5% 1/2W
R4	1-246-441-25	s	CARBON 47 5% 1/4W
R5	1-246-441-25	s	CARBON 47 5% 1/4W
R6	1-244-851-11	s	CARBON 120 5% 1/2W
R7	1-247-859-31	s	CARBON 15k 5% 1/4W
R8	1-247-859-31	s	CARBON 15k 5% 1/4W
T1	1-447-717-11	s	CONVERTER

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

FRAME

A-6050-525-A s HEAD DRUM ASS'Y (DBH-04A-R)
 A-6762-334-A s DRUM ASS'Y, UPPER (DBR-04-R)
 1-558-261-22 o WIRE FLEXIBLE CARD, 30P
 (SY-110 to SY-94)
 1-558-262-12 o WIRE FLEXIBLE CARD, 34P
 (MB-157 to CN-185)
 1-559-322-11 o WIRE FLEXIBLE CARD, 22P
 (MS-22 to MT-34)
 1-559-323-11 o WIRE FLEXIBLE CARD, 26P
 (SY-110 to KY-110)

Ref No. Parts No. SP Description

M1001 A-6737-186-B s MOTOR ASS'Y, DRUM
 M1002 8-835-261-01 s DC, BHF-1920A "CAPSTAN"
 M1003, M1004
 8-838-059-02 s DC, BHF-1801B "REEL"
 M1005 8-835-159-01 s DC, SP-0873 "THREADING"
 M1006 8-835-067-01 s DC, DNR-5300A "EJECT"
 ME1001 1-520-495-11 s "LNG CH-1/R-Y"
 ME1002 1-520-495-11 s "LNG CH-2/B-Y"
 ME1003 1-520-495-11 s "AFM CH-4/Y"
 ME1004 1-520-495-31 s "AFM CH-4/VIDEO/BATT"

△ CB951 1-532-525-31 s BREAKER, CIRCUIT

PM1001 1-454-334-51 s 12V 10ohm "TEN-REG"
 PM1002 1-454-360-21 s 12V 10ohm "EJECT"
 PM1004 1-454-340-41 s 12V 20ohm "PINCH"

CN950 1-564-603-11 s DC SW SP "EXT DC IN"
 CN982 1-464-718-21 s RF MODULATOR "UHF OUT"
 CN983 1-562-382-00 s RECEPTACLE BNC "TC IN"
 CN984 1-562-382-00 s RECEPTACLE BNC "SC IN"
 CN985 1-562-382-00 s RECEPTACLE BNC "VIDEO IN"
 CN986 1-562-382-00 s RECEPTACLE BNC "TC OUT"
 CN987 1-562-382-00 s RECEPTACLE BNC "VIDEO OUT 1"
 CN988 1-562-382-00 s RECEPTACLE BNC "VIDEO OUT 2"
 CN989 1-562-160-00 s RECEPTACLE, 12P(R-F)
 FEMALE "DUB/COMPONENT OUT"
 CN990 1-556-617-11 s XLR (4 GANG), MALE "AUDIO OUT"
 CN991 1-566-616-11 s XLR (4 GANG), FEMALE "AUDIO IN"
 CN998 1-562-245-00 s 26P, FEMALE "CAMERA"
 CN999 1-563-890-11 s 9P SOCKET, D-SUB "REMOTE"

S951 1-552-504-00 s TOGGLE "POWER"
 S1002 X-3682-809-0 s SWITCH ASS'Y "CASSETTE LOCK"
 S1003 1-570-028-11 s MICRO "MISS REC (OXIDE)"
 S1004 1-570-816-11 s REED "THREAD END"
 S1005 1-570-816-11 s REED "TENSION REGULATOR"

CS1001 1-586-633-00 s CONDENSATION SENSOR

H1001, H1002, H1003
 8-825-623-31 s ATAC, EPS244-2103C
 "AUDIO REC/PB, TIME CODE, AUDIO ERASE,
 CONF1"
 H1004 8-725-770-71 s FE, EP291-21 "FULL ERASE"
 H1005 8-825-554-83 s CTL, PS244-21B "CTL REC/PB"
 H1011, H1012, H1013, H1014
 A-6050-525-A s HEAD DRUM ASS'Y, DBH-04A-R

J1 1-507-743-00 s JACK, STEREO MINIATURE
 "EARPHONE"
 J2 1-507-863-31 s JACK, LARGE TYPE
 "HEADPHONES"
 J3 1-507-905-00 s JACK, DC

L1001 1-543-211-21 s HEAD, SENSING (SMALL TYPE)
 "TAPE BEGINNING SENSOR"
 L1002 1-543-316-21 s HEAD, SENSING (SMALL TYPE)
 "TAPE END SENSOR"

Parts that are not listed in the "reference numbers order list"
 are shown in the "General Purpose Electrical Parts List".

16-4. PACKING MATERIAL AND ACCESSORY (SUPPLIED)

Part No.	SP	Description
A-6725-574-A	s	MOUNTED CIRCUIT BOARD, EX-150
1-551-866-11	s	CORD, CONNECTION
1-552-957-00	s	SWITCH, ANTENNA (ANS-33)
3-699-236-01	o	CASE
3-701-623-00	s	BAG, POLYETHYLENE (FOR EX-150 BOARD) (S/N up to 10769)
3-701-632-00	s	BAG, POLYETHYLENE (FOR MANUAL AND BVW-35 UNIT)
3-719-104-01	o	BOX, ACCESSORY
3-719-168-01	o	CUSHION (UPPER)
3-719-169-01	o	CUSHION (LOWER)
3-719-190-02	o	INDIVIDUAL CARTON
3-719-207-02	s	BELT, SHOULDER
3-719-209-03	s	CASE, CARRYING
4-885-820-00	s	BAG, PROTECTION

16-5. FIXTURE

Part No.	SP	Description
J-6001-820-A	o	DRUM ECCENTRICITY GAUGE (3)
J-6001-830-A	o	DRUM ECCENTRICITY GAUGE (2)
J-6001-840-A	o	DRUM ECCENTRICITY GAUGE (1)
J-6087-000-A	o	DRUM ECCENTRICITY GAUGE (5)
J-6031-840-A	o	MULTI CONNECTOR CABLE
J-6080-008-A	o	CASSETTE REFERENCE PLATE
J-6080-013-A	o	DIHEDRAL ADJUSTMENT SCREW
J-6080-029-A	o	SMALL MIRROR FOR ADJUSTMENT
J-6080-030-A	o	SPARE MIRROR
J-6152-450-A	o	WIRE CLEARANCE GAUGE
J-6190-800-A	o	TENSION REGULATOR SLANTNESS CHECK TOOL
J-6331-120-A	o	PB AMPLIFIER TOOL
Pending	o	VISC DOUBLER (EW224)
Y-2031-001-0	o	CLEANING FLUID
2-034-697-00	o	CLEANING PIECE
3-702-390-01	o	ECCENTRICITY DRIVER (4MM DIA.)
7-732-050-20	o	TENSION SCALE (50G FULL SCALE)
8-960-096-51	o	ALIGNMENT TAPE, CR2-1B PS
8-960-096-86	o	ALIGNMENT TAPE, CR8-1B PS
8-960-096-91	o	ALIGNMENT TAPE, CR5-1B PS
8-960-098-02	o	ALIGNMENT TAPE, CR2-1PS
8-960-098-44	o	ALIGNMENT TAPE, CR5-2A PS
9-911-053-00	o	THICKNESS GAUGE
Standard Products		HEAD DEMAGNETIZER (HE-4)

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